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A DECISION THEORETIC SOLUTION FOR A BIDDING-WORK LOADING GAME

by

Thomas P. Tytula

February 1972



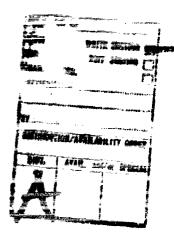
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Systems Engineering and Integration Office
Directorate for Research, Development, Engineering
and Missile Systems Laboratory
U.S. Army Missile Command
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CHAPTER I

INTRODUCTION

The process of decision making in a risky environment has received considerable emphasis in the past several years. This has been especially true in the Department of Defense since the early 1960's, where the program, planning, and budgeting system was first instituted. The program, planning, and budgeting system required explicit consideration of uncertainty [1] thus stimulating the study of decision processes when sequences of events and outcomes are not known. Experimental statistical hypothesis testing techniques have been in existence for a long time; however, with decisions involving very large expenditures; of resources having to be made more often than not before any substantial experimental evidence became available, classical techniques were not adequate for the situation. This led many researchers to turn to Bayesian techniques which have the advantage of explicitly accounting for information and its associated uncertainty before the experimental evidence becomes available. Bayesian analysis of sequential decision problems became the vogue during the 1960's, with the oil industry sponsoring much of the research [2, 3, 4].

During the last half of the 1960's, public dissatisfaction with the results of the government's past decision making became more evident than ever before. Considerable attention was focused on the Department of Defense which spends a large portion of the annual budget

and where there was substantial evidence of program outcomes falling short of advertised objectives. A Congressional inquiry determined that uncertainty was a prime cause of the poor results being obtained [5]! In July 1969, Assistant Secretary of Defense Packard directed the military services to improve their procurement practices, taking special notice of the uncertainties involved in their program. The explicit consideration of risk was reemphasized in his May 1970 directive on the same subject.

The Department of the Army responded with a formal program to refine the materiel acquisition process, PROMAP 70. One task under PROMAP 70 was to set up a procedure for explicitly expressing program risk and taking it into account at key decision points in the life cycle of major Army materiel items. As a result of this task, risk analysis methodology evolved which expresses the risk associated with performance, time to develop and field, and cost to develop and field materiel items in the form of probability distributions of outcomes.

Methods of using these distributions in large scale sequential decision problems have not been entirely satisfactory thus far. The three main reasons for this shortcoming are as foilows: (1) the problems are large and require unwieldy amounts of data to be available at each decision point, (2) a single index of the value of outcomes, i.e., a single utility index, is not easily generated for multiattribute problems, and (3) the decision system is unwieldy. Little can be done to substantially change the system in a short time period, and multiattribute utility functions are being examined by competent researchers [6]. There is hope for some improvement in data handling and presentation which is the subject of this paper.

The objective of this research was to find a way to present the data of a large scale sequential decision problem to a decision maker in a manner that will permit him to choose an optimal course of action while constraining the volume of the data to some "reasonable" size. The bidding-work-loading game was chosen as a vehicle for trying the technique because it is well defined, large in scale, and involves interaction; between years. Solution of the game also provides a basis for grading the participants of classroom exercises in which the game is played, a tool which should be of some use to the instructor and, therefore, a secondary benefit of the research.

Chapter II of this paper presents a brief description of the bidding-work-loading game and Chapter III presents the formulation of a decision theoretic solution. A discussion of the solution and some examples showing the use of the tables is presented in Chapter IV, and some conclusions and recommendations for additional work are presented in Chapter V. The tables which are used in the decision calculation are contained in Appendix A.

CHAPTER II

THE BIDDING-WORK-LOADING GAME

The game which is solved in this paper is a heuristic development by Torgersen, Wyskida, and Yarbrough [7]. It was designed primarily as a training aid for use in classes and seminars dealing with competitive bidding and game theory. While there are many analytic bidding models in the open literature [8], the large majority of these are concerned with the choice of a bid price. In contrast, the game being analyzed here addresses the question of whether to bid at all. The probability of winning a bid is constant for all bid opportunities and the bid price is determined by the probability distribution of job duration and value shown in Figure 1. This is the result of the emphasis the game's authors [7] placed on optimum work loading and scheduling within a finite work capacity. In reference [7] it is stated that the relationship between bid price and probability of winning could easily be added to the game. The solution methodology described in the next chapter would remain applicable, although the presentation of results will become more unwieldy.

The game hypothesizes that the decision of whether to bid or not is dependent upon the number of bid opportunities that might be expected in the future, the trade-off between long range resource commitment and short term lucrative gain, and the decision criteria used. Each competitor is forced to consider the issue of availability

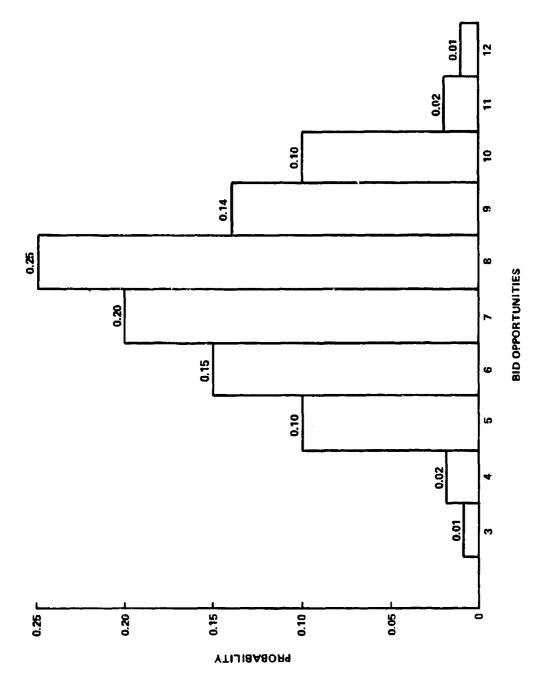
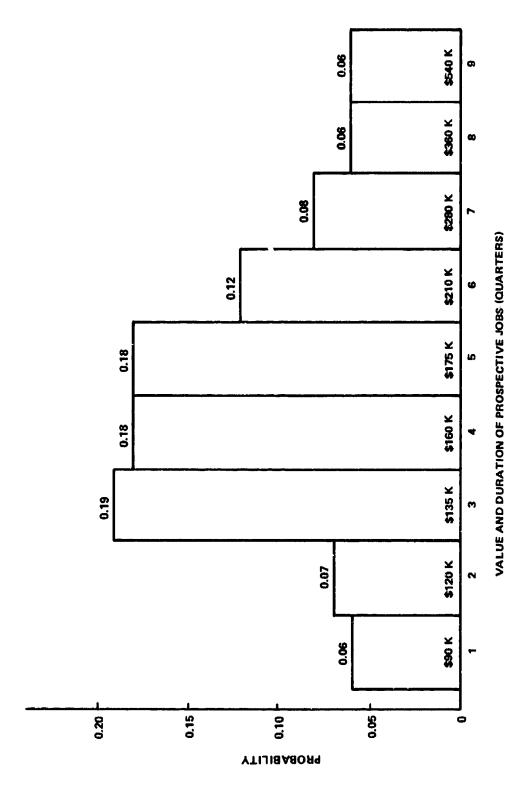


Figure 1. Probability Distribution of Number of Bid Opportunities [7]

of resources for performing the job by limiting the number of jobs that he can process simultaneously. The probability distribution of the number of bid opportunities per year (Figure 2) combined with the probability distribution of job duration and value and the probability of winning a bid are assumed to embody all significant factors in the game. The game objective is to increase the initial assets of the company (represented by a team of players) as much as possible over a fixed period of time. The teams operate independently, and the team with the largest final value of assets wins.

Each team starts the game with assets of \$350 K. Dividends in the amount of 10 percent of the beginning-of-the-year assets must be paid to the stockholders. Thus, a team must have a net profit of \$35 K after taxes to break even at the end of the first year. The only source of income for the company is from successfully bid jobs. If a job is finished in the year that it is bid, income is received at the end of the job. If a job extends into following years, income in each year is proportional to the amount of the total job duration scheduled in that year. The cost of bidding, which is 10 percent of job income, is incurred in the year the job is bid. Annual operating costs are 50 percent of annual income, and annual taxes are 50 percent of net annual income, payable at the end of each year.

Each company can perform no more than three jobs simultaneously. A job must be started in the year that it is bid and at the earliest possible time. No more than two jobs may be started in any 1 quarter. The number of bid opportunities determines a year. The game may extend for any period of time; however, 6 years is usually taken as the duration. The probability of winning any job which is bid is 0.55.



Probability Distribution of Prospective Job Value and Duration [7] Figure 2.

Despite the simplicity of the game, it embodies several characteristics that make it representative of real decision problems. One of these is the interaction between time periods as exemplified by some jobs having a duration greater than a year and the carry-over of work load and income from year to year. Another feature is the large number of possible outcomes which can occur. A third feature is the random nature of the outcome of the game. Taken together, these characteristics indicate that a formal, decision theoretic solution to the game will provide a useful example of a technique for analyzing large scale decision problems and presenting the results in a format that is useful to management.

CHAPTER III

DECISION THEORETIC SOLUTION

In this chapter the bidding-work-loading game will be formulated in a manner suitable for decision theoretic solution techniques. The sequence of presentation will include a brief discussion of some decision theory techniques, followed by a formulation of the game in general. The constraints of the game will then be introduced into the problem formulation and the solution methodology will be presented. Finally, the manner of presenting the results will be outlined.

Raiffa [3] describes two general methods for formally analyzing decision problems whose outcomes are uncertain. These are commonly called the normal form of analysis and the extensive form of analysis. In the normal form, a systematic enumeration of all possible sequences of decisions, or strategies, is undertaken and the outcomes of each strategy are assessed conditional on each chance event occurring. This defines the joint conditional evaluation space for the problem. The optimum solution in this space can be found by a number of techniques including branch and bound [9]. The normal form has the advantage of delaying the assessment of the probabilities associated with chance events until late in the solution after many strategies have been eliminated by dominance considerations. This is a beneficial property when the probabilities are difficult to obtain. However, this advantage is overshadowed by the difficulties associated with enumerating a large

number of strategies for large scale decision problems and by the need to repeatedly solve the problem at every decision point in the sequence for all possible strategy sets.

The extensive form of analysis involves arranging in chronological order all possible sequences of decisions and chance events, assigning probabilities to the chance events, and then solving the problem by dynamic programming. The chronological arrangement of all possible sequences is usually accomplished by drawing a decision tree for the problem. Drawing a decision tree is not practical for problems as large as the bidding-work-loading game, but where it is practical it automatically displays the optimal decisions for all possible sequences of events.

Finally, straightforward dynamic programming techniques may be used [10, 11]. Stages are defined as the events occurring between decision points in a sequence of events. At each stage there is an input state, a decision, and a random variable which together determine the net gain realized from that stage. The random variables are assumed to be independent and the total return from all stages is assumed to be the sum of the individual stage returns. The decision rule usually chosen is to maximize the total expected return. The dynamic programming approach involves calculation of the optimal decision for all possible input states at each possible decision point, a relatively large number of calculations for the bidding-work-loading game. While this in itself is not a particularly difficult chore with modern computers, presentation of the optimal course of action for all possible decisions usually becomes cumbersome. Nevertheless, by presenting a suitably chosen set of partially calculated results, leaving

a small amount of calculation to be done once the input state is known, it is possible to handle relatively large problems without recourse to voluminous documentation. This is the approach used in solving the bidding-work-loading game.

Before proceeding with the dynamic programming formulation, a brief discussion of the decision rule is in order. The rule which will be used is to maximize the total expected increase in the company's future monetary assets. The maximization of expected monetary value is not always a good decision criteria, especially for a risk-averse individual confronted with a one time only decision. However, when the decision situations will be repeated many times in a sequence of events, with the probability distribution governing the outcome remaining constant from decision to decision, the law of large numbers begins to dominate, making the expected outcome a better decision variable than any other. Because this situation occurs in the bidding-work-loading game, the expected monetary value approach appears suitable for the problem.

Proceeding with the problem formulation, recall from Chapter II that only three jobs may be processed simultaneously. This constraint is represented by assuming the existence of three time channels identified only by the amount of unused work capacity in each. Also recall from Chapter II that some of the potential jobs are longer than 1 year in duration, the longest being 9 quarters. Accordingly, by considering a time channel to be 3 years, the work potential of the company may be described by a square matrix of the time available, with elements T_{ij} , where the index i is associated with the year and the index j is used to describe the relative length of time available

in each channel. T_{i1} is always the channel with the greatest amount of unused work capacity, T_{i2} has the next greatest amount of time, and T_{i3} has the least amount of unused work time. This convention plays a substantial role in reducing the number of states which must be examined because many of the possible numerical combinations are eliminated by the convention. The condition i = 1 refers to the current year.

Two additional variables combine with available work time to completely describe the state of the company. These are the number of bid opportunities remaining in the year, N, and the number of years remaining in the game, M. The condition M = 0 refers to the game being in its last year, and the maximum value of M is the duration of the game, less 1 year. Now define f(T, N, M) as the expected increase in the company's future assets, given that the optimal decision is made at each decision point and that the state of the company is described by the state variables T, N, M. Thus,

$$f(T, 2, 3); \quad T = \begin{bmatrix} 3 & 0 & 0 \\ 4 & 2 & 0 \\ 4 & 4 & 3 \end{bmatrix}$$
 (1)

is the expected value of the increase in the company's assets with two bid opportunities remaining in the fourth year from the end of the game, with only 3 quarters of unused work capacity available in the current year. Two jobs are in process, one taking up 2 quarters of the following year $(T_{22} = 2)$ and one overlapping 1 quarter into the third year into the future $(T_{23} = 0, T_{33} = 3)$.

For future years, the number of bid opportunities available during the year is known only by its probability distribution. Define

$$f_{in}(T, M); T = [T_{ij}]$$
 (2)

as the maximum expected increase in assets during the remainder of the game with M years remaining to be played, given that at the start of year M the unused work capacity is defined by the matrix, T. This will be referred to later as the annual summary of expected increase in assets and will enter into the calculations. Clearly, for T and M fixed,

$$f_m(T, M) = \sum_{n=3}^{12} p_n f(T, N, M)$$
, (3)

where \mathbf{p}_{n} is the probability that there will be exactly N bid opportunities during the year.

At each stage in the decision problem, the input state of the company is the amount of unused work time available, the number of bid opportunities remaining in the current year (after the decision is made), and the number of years remaining after the current year. The value and duration of the job may be thought of as an input condition. After the decision is made, the output state of the company may change, depending on the decision that was made and the chance outcome resulting from the decision. This possible change in the company's state bears heavily on whether to bid the job or not because it influences the company's ability to do work in the future. Since N and M have been defined in a manner which holds them constant for the input and output states (except when N = 0 in which case the next possible value of M is M - 1), the only state variable which will change is the matrix T. Now suppose that the job being considered is of duration t_t. If the job is bid and won, the time available for additional jobs will be changed from that described by T to that described by T'. The method

of transformation is relatively straightforward. The duration of the job is subtracted from element T_{11} of the matrix. If the result is negative, T_{11} becomes 0 and the overlap is subtracted from element T_{12} . Again, if the result is negative, T_{12} becomes 0 and the overlap is subtracted from element T_{13} . Finally, each row of the matrix is reordered so that $T_{11} \geq T_{12} \geq T_{13}$ to get the T matrix. Stated mathematically:

$$T_{11}^{I} = \begin{cases} \max(T_{11} - t_{k}, 0); & T_{11} - t_{k} \geq T_{12}, \\ T_{12}; & T_{11} - t_{k} < T_{12}, \end{cases}$$

$$T_{12}^{I} = \begin{cases} T_{13}; & T_{11} - t_{k} < T_{13}, \\ \max(T_{11} - t_{k}, 0); & T_{12} < T_{11} - t_{k} \leq T_{13}, \end{cases}$$

$$T_{12}^{I} = \begin{cases} T_{13}; & T_{11} - t_{k} \geq T_{12}, \\ T_{12}; & T_{11} - t_{k} \geq T_{12}, \end{cases}$$

$$T_{13}^{I} = \begin{cases} T_{13}; & T_{11} - t_{k} \geq T_{13}, \\ \max(T_{11} - t_{k}, 0); & T_{11} - t_{k} < T_{13}, \end{cases}$$

$$T_{13}^{I} = \begin{cases} T_{21}; & T_{11} - t_{k} \geq 0, \\ T_{22}; & T_{21} - (t_{k} - T_{11}) < T_{22}, \\ T_{21} - (t_{k} - T_{11}); & T_{21} - (t_{k} - T_{11}) \geq T_{22}, \end{cases}$$

$$T_{22}^{I} = \begin{cases} T_{22}; & T_{21} - (t_{k} - T_{11}) \geq T_{22}, \\ \max(T_{21} - t_{k} + T_{11}, 0); & T_{23} \leq T_{21} - (t_{k} - T_{11}) < T_{22}, \end{cases}$$

$$T_{23}^{I} = \begin{cases} T_{23}; & T_{21} - (t_{k} - T_{11}) \geq T_{21}, \\ \max(T_{21} - t_{k} + T_{11}, 0); & T_{21} - (t_{k} - T_{11}) < T_{23}, \end{cases}$$

$$T_{31}^{I} = \begin{cases} T_{31}; & T_{21} - (t_{k} - T_{11}) > 0, \\ T_{31} - (t_{k} - T_{11} - 4); & \text{otherwise}, \end{cases}$$

$$T'_{32} = \begin{cases} T_{32}; & T_{21} - (t_k - T_{11}) > 0 \\ T_{31} - (t_k - T_{11} - 4); & T_{31} - (t_k - T_{11} - 4) \ge T_{33} \\ T_{33}; & \text{otherwise} \end{cases},$$

$$T_{33}^{\dagger} = \begin{cases} T_{33}; & T_{31} - (t_k - T_{11} - 4) \ge T_{33} \\ T_{31} - (t_k - T_{11} - 4); & \text{otherwise} \end{cases}$$
 (4)

In the special case N = 0,

$$T_{ij}^{i} = T_{i+1, j}; i = 1, 2,$$
 $T_{3j}^{i} = 4,$

$$for all j .$$
(5)

With the state transformations described, the increase in assets resulting from bidding and winning a job will now be considered. Recall from Chapter II that each of the k jobs, $k=1,\,2,\,\ldots\,9$, is defined by its value, duration, and probability of occurrence. Let V_k be the value of the k^{th} job, p_k the probability that the k^{th} job is offered for bid, and as before, t_k the duration of the k^{th} job. The rate of income from the k^{th} job is simply V_k/t_k . Now let

$$GG = \sum_{n=0}^{N} I_{n, k} \delta , \qquad (6)$$

where

GG = gross gain in a year

 $I_{n, k} = \text{income increment from the } k^{\text{th}} \text{ job}$ $\delta = \begin{cases} 0 \text{ if the job is bid and lost or if it is not bid} \\ 1 \text{ if the job is bid and won} \end{cases}$

N = the number of bid opportunities in a year.

Further let NG be the net gain in a year, C be the total annual operating expenses, and C_B be the total bid cost (sum of bid cost for jobs that are bid and won and for jobs that are bid and lost). From Chapter II, the bid cost associated with each job is 10 percent of its value, the expenses are one-half of gross gain, and taxes are one-half of before taxes profit. Letting P_O be the before taxes profit and NP be the net profit, these definitions lead to

NG = GG - C =
$$\frac{1}{2} \sum_{n=0}^{N} I_{n, k} \delta$$
 (7)

$$P_{o} = NG - C_{B} = \frac{1}{2} \sum_{n=0}^{N} I_{n, k} \delta - C_{B}$$
 (8)

$$NP = \frac{1}{2} P_{o} = \frac{1}{2} \left[\frac{1}{2} \sum_{n=0}^{N} I_{n, k} \delta - C_{B} \right] = \sum_{n=0}^{N} \frac{1}{4} I_{n, k} \delta - \frac{1}{2} C_{B}$$
 (9)

For any job that is bid and won, the increment of income in the year is proportional to the amount of the job that is performed in that year.

Accordingly, for the year in which the job is bid and won,

$$\mathbf{I}_{n, k} = \frac{\mathbf{v}_{k}}{\mathbf{t}_{k}} \mathbf{k}_{1} \tag{10}$$

where

$$k_{1} = \begin{cases} t_{k}; & t_{k} \leq T_{11} \\ t_{11}; & t_{k} > T_{11} \end{cases}$$
 (11)

Finally, let

$$R_{\mathbf{k}} = \frac{1}{4} \frac{V_{\mathbf{k}}}{\mathbf{t}_{\mathbf{k}}} \tag{12}$$

The quantity R_k is the adjusted rate of income from the k^{th} job. Clearly it is the same for all years during which the job is being done. Following the same procedure, $1/2 C_B = \sum 1/2$ bid cost for those jobs bid, and the quantity $C_{Bk} = 1/2$ bid cost is the adjusted bid cost for the k^{th} job.

One additional consideration, payment of dividends, must be examined before the change in assets resulting from bidding a job can be calculated. The rules of the game require that a dividend of 10 percent of the beginning-of-the-year assets be paid each year. This may be accounted for as follows. Let $\mathbf{W}_{\mathbf{m}}$ be the total worth of the assets of the company at the beginning of the $\mathbf{m}^{\mathbf{th}}$ year and let $\mathbf{G}_{\mathbf{m}+1}$ be the incremental change in assets during the year. The net change in assets during the year

$$\Delta W = G_{m+1} - 0.1 W_m \tag{13}$$

and the total worth of the company at the beginning of the m+1st year is

$$W_{m+1} = W_m + G_{m+1} - 0.1 W_m = 0.9 W_m + G_{m+1}$$
 (14)

Similarly, at the end of the $m+1^{st}$ year (or beginning of the $m+2^{nd}$ year),

$$W_{m+2} = 0.9 W_{m+1} + G_{m+2} = (0.9)^2 W_m + 0.9 G_{m+1} + G_{m+2}$$
 (15)

If $W_m = W_0$, the initial assets of the company at the start of the game, following the process through for m years yields

$$W_{m} = (0.9)^{m} W_{0} + (0.9)^{m-1} G_{1} + \dots + 0.9 G_{m-1} + G_{m}$$
 (16)

This result states that the increase in assets during each year is reduced by dividend payments during subsequent years, and shows that

simply multiplying the gain in assets during a year by the appropriate constant (the constant is dependent on the year in which the gain occurs) accounts for this. Because the probabilistic future changes in assets are being examined in light of expected changes, application of the expectation operator E (by definition [12] $E(X) = \sum_{all \ x} x \Pr[X = x]$)

to Equation (16) yields

$$E(W_{m}) = 0.9^{m} W_{o} + 0.9^{m-1} E(G_{1}) + ... + 0.9E(G_{m-1}) + E(G_{m}). (17)$$

The expected gains will always be greater than or equal to zero (a minimum gain of zero can always be obtained by not bidding), therefore Equation (17) presents no difficulties with losses which may in fact occur.

The preceding paragraphs provide the necessary groundwork for calculating the change in assets if it is decided to bid and the bid is won. Let $\triangle_k(T, N, M)$ be the net change in the company's assets resulting from bidding the k^{th} job when the input state of the company is defined by T, N, M. If the bid is lost,

$$\overline{\Delta}_{k}(T, N, M) = -C_{Bk} \qquad (18)$$

If the bid is won,

$$\triangle_{k}(T, N, M) = R_{k}[(0.9)^{m} k_{1} + (0.9)^{m-1} k_{2} + (0.9)^{m-2} k_{3}] - C_{Bk},$$
 (19)

where

$$k_{1} = \begin{cases} t_{k} & \text{if } t_{k} < T_{11} \\ T_{11} & \text{otherwise} \end{cases},$$

$$k_{2} = \begin{cases} 0 \text{ if } t_{k} \leq T_{11} \text{ or if } M = 0 \\ t_{k} - T_{11} \text{ if } 0 < (t_{k} - T_{11}) \leq 4 \end{cases},$$

$$4 \text{ otherwise },$$

$$k_{3} = \begin{cases} 0 \text{ if } t_{k} < 4 + T_{11} \text{ or if } M \leq 1 \\ t_{k} - T_{11} - 4 \text{ otherwise } \end{cases}.$$

Clearly, if it is decided to not bid, $\triangle_k(T, N, M) = 0$.

As stated previously in this chapter, the result of this analysis of the bidding-work-loading game is to be a set of partially calculated results which leave just a few simple calculations to be done by the decision maker to reach an optimum decision. These partial results consist of two sets of tables which depict: (1) the expected increase in monetary assets of the company during the remainder of the game provided the year is started with initial conditions T and (2) the expected increase in the company's assets during the remainder of the game provided there are N bid opportunities in the current year and M additional years remaining in the game, and unassigned work capacity, T; e.g., f(T, N, M). Both sets of tables are generated by a set of recursion relationships as follows. Let

$$B_{nk} = p \left[\triangle_{k}(T, N, M) + f(T', N-1, M) \right] + (1-p) \left[f(T, N-1, M) + \overline{\triangle}_{k}(T, N, M) \right]$$
(20)

be the expected future gain in assets of the company if the job is bid provided the input state for the decision is T, N, M and the k^{th} job is being considered, where p is the probability of being successful if the job is bid. Let

$$\overline{B}_{nk} = f(T, N-1, M)$$
 (21)

be the expected future increase in assets if the job is not bid. The decision rule is to bid if $B_{nk} \ge \overline{B}_{nk}$. The first term of Equation (20) is the increase in expected assets provided the job is bid and won, while the second term is the expected increase in assets provided the job is bid and lost. The expected future increase in assets for any input state and a known job, k, provided the optimal course of action is taken, is

$$f_k(T, N, M) = \delta B_{nk} + (1 - \delta) \overline{B}_{nk}$$
, (22)

where

$$\delta = \begin{cases} 1 & \text{if } B_{nk} \ge \overline{B}_{nk} \\ 0 & \text{otherwise} \end{cases}$$

If the job to be considered is not yet known, then the expected increase in assets for the given input state is

$$f(T, N, M) = \sum_{k=1}^{9} p_k f_k(T, N, M)$$
, (23)

where \mathbf{p}_{k} is the probability that the k^{th} job will come up with N bid opportunities remaining.

Two special cases arise which cause slight changes in at least one of Equations (19) through (22). The first is caused by the condition N=M=0. In this case,

$$f(T', N-1, M) = f(T, N-1, M) = 0$$

and the solution proceeds as before. This case arises on the last play of the game, which is the first decision stage in the dynamic programming formulation. A second case arises when N=0, $M\neq 0$. In this case,

f(T', N-1, M) and f(T, N-1, M) must be replaced by $f_{m-1}(T', M-1)$ and $f_{m-1}(T, M-1)$, respectively. Equations (20) and (21) then become

$$B_{nk} = p \left[\Delta_k(T, N, M) + f_{m-1}(T, M-1) \right] + (1 - p) \left[f_{m-1}(T, M-1) + \overline{\Delta}_k(T, N, M) \right]$$
(24)

and

$$\bar{B}_{nk} = f_{m-1}(T, M-1)$$
 (25)

These substitutions account for the fact that the decision must consider gains in following years without knowing the number of bid opportunities which will occur in that year.

Tables of the expected future increase in assets have been generated by solving Equation (23) for all meaningful combinations of the state variables T, N, and M, starting with the least possible value of the matrix T, and with M=N=0. A Fortran V computer program has been written for the Univac 1108 which solves the equation for all possible states and generates tables of f(T, N, M) and $f_m(T, M)$. The tables are contained in Appendix A. Appendix B contains a flow chart of the computer program used to generate the tables. Chapter IV presents a discussion of the use of the tables with several examples.

CHAPTER IV

DISCUSSION AND EXAMPLES

In the preceding chapter a set of recursion relationships was developed which have been used to generate tables of f(T, N, M) and $f_m(T, M)$. The tables for a 3-year game are presented in Appendix A. The arrangement of the tables and several examples which illustrate their use are presented in this chapter.

One of the first pieces of information needed is the adjusted job parameters; i.e., the adjusted income rate, R_k , and the adjusted bid cost, C_{Bk} , as determined from the relationships of Chapter III. These, along with the job duration are presented in Table I. The appropriate values will be used to calculate the Δ_k , and hence, the B_{nk} and \overline{B}_{nk} in the examples which follow.

Table I. Adjusted Job Parameters

Job No., k	Income Rate, R _k , (\$1000)	Bid Cost, C _{Bk} , (\$1000)	Duration, t _k , (Quarters)
1	22.50	4.50	1
2	15.00	6.00	2
3	11.25	6.75	3
4	10.00	8.00	4
5	8.75	8.75	5
6	8.75	10.50	6
7	10.00	14.00	7
8	11.25	18.00	8
9	15.00	27.00	9

Before getting into the examples, some discussion of the format used in the f(T, N, M) and $f_m(T, M)$ tables will be helpful. The tables are arranged by increasing M and increasing N within the year M, where N is the number of bid opportunities remaining. Within each table, f(T, N, M), the expected increase in assets, is given for all possible values of the unused work time matrix, T. The table of f(T, N, M) is followed immediately by the table of $f_m(T, M)$ for the same value of M. The available work time matrix in the tables is arranged as follows. During the first year, T is the row matrix, $T = [T_{11} \ T_{12} \ T_{13}]^*$. In the second year, T is the rectangular matrix,

$$T = \begin{bmatrix} T_{11} & T_{12} & T_{13} \\ T_{21} & T_{22} & T_{23} \end{bmatrix}$$

and in the third year it is the square matrix,

$$T = \begin{bmatrix} T_{11} & T_{12} & T_{13} \\ T_{21} & T_{22} & T_{23} \\ T_{31} & T_{32} & T_{33} \end{bmatrix}$$

Note that each row represents the time available in each job channel during the year, the top row being the current year, and that each column represents the available work time in each job channel with the longest available time in the first column.

^{*}Because the tables have been generated by the computer, the subscripts ij have been placed on the same line as the variable; e.g., T_{13} is written Tl3 in the tables.

The set of all possible values of the elements of the T matrix has been partitioned in such a way that, for a given value of T_{11} , only two of the other elements vary. For the first year, then, the tables are arranged so that for a fixed value of T_{11} , the value of T_{11} , and T_{12} . Table T_{11} , which gives T_{12} and T_{13} . Table T_{11} , which gives T_{12} and T_{13} . Table T_{12} and T_{13} . Table T_{13} are partitioned into three subsets. Accordingly, for every value of T_{11} , T_{11} , T_{12} , T_{12} , T_{13} , T_{14} , T_{15} , $T_$

Table II. Expected Increase in Assets, 1000's of \$, 0 Years and 3 Bid Opportunities Remaining

		T=	1	T12 T13	· · · · · · · · · · · · · · · · · · ·	
	T12=0	T12=1		T12=2	T12=3	T12=4
T13=0	2.262	2.508				
T1.3=1		2.520				
		T=	2	T12 T13		
	T12=0	T12=1		T12=2	T12=3	T12=4
T13=0	7.671	8.294		10.823		
T13=1		8.333		10.960		
T13=2				11.765		
		T=	3	T12 T13		
	T12=0	T12=1		T12=2	T12=3	T12=4
T13=0	14.474	15.225		18.026	22.624	
T13=1		15.262		18.186	22.871	
T13=2				18.987	23.961	
T13=3					26.125	
		T≠	4	T12 T13		
	T12=0	T12=.1		T12=2	T12=3	T12=4
T13=0	20.092	20.785		23.873	28.744	33.385
T13=1		20.821		24.030	28.969	33.610
T13=2				24.939	30.142	34.952
T13=3					32.405	37.353
T13=4						39.861

of T have been partitioned into six subsets, each of which has only two elements varying for a fixed value of T_{11} . A typical table entry is shown in Table III. Note that each partition of the elements of T is such that the elements above and to the right of the elements that are varying are 0, while those below and to the left are 4.

With the preliminaries completed, some examples should illustrate the use of the tabulated results. Suppose that the game is in the last year of play (M = 0), that there were seven bid opportunities in the year, and that the job up for consideration is the fifth bid opportunity of the year and involves job 4 from Figure 2 which is 4 quarters in duration and has a value of \$160 K. Suppose that the company has three jobs underway, one being completed at the end of the first quarter (giving $T_{11} = 3$), one being completed at the end of the third quarter (giving $T_{1i} = 1$), and one lasting until the end of the year (giving $T_{1i} = 0$). Arranging the elements of T in descending order gives $T = [3 \ 1 \ 0]$. From Table I, job number 4 has an adjusted rate of income of \$10 K per month and an adjusted bid cost of \$8 K. Its duration is 4 quarters; however, the maximum time available is 3 quarters. If the job is bid and won, the transformed T matrix is $T' = \begin{bmatrix} 1 & 0 & 0 \end{bmatrix}$, which is found by subtracting t_k from T_{11} and, if the difference is negative, substituting zero in its place, then rearranging the elements in descending order. If the job is not bid, or if it is bid and lost, T does not change so that T' = T. Using the above information and the relationships developed in Chapter III, the following calculations are made:

Table III. Expected Increase in Assets, 1000's of \$, 2 Years and 2 Bid Opportunities Remaining

		T= 4 4	0 0 0 0 T32 T33		
T33=0 T33=1 T33=2 T33=3 T33=4	T32=0 83.570	T32=1 143.644 87.359	T32=2 144.761 144.761 90.272	T32=3 145.694 145.694 145.694 92.009	T32=4 146.555 146.555 146.555 146.555 92.485
		T= 1 4 4	0 0 T22 0 4 T33		
T22=1 T22=2 T22=3 T22=4	T33=0 103.863 107.019 109.309 112.441	T33=1 107.188 110.576 112.687 115.378	T33=2 109.556 113.241 115.476 118.011	T33=3 110.460 114.431 116.776 119.357	T33=4 110.691 114.693 117.079 119.646
		1 T= 4 4	T12 0 4 0 4 T33		
T12=0 T12=1	T33=0 112.441 118.936	T33=1 115.378 121.846	T33=2 118.011 124.162	T33=3 119.357 125.239	T33=4 119.646 125.468
		1 T= 4 4	0 0 T22 T23 4 4		
T22=0 T22=1 T22=2 T22=3 T22=4	T23=0 92.485	T23=1 119.646 118.604	T 23=2 126.632 129.364 125.078	T23=3 125.078 128.772 132.309 129.937	T23=4 128.772 132.309 129.937 133.757 134.961
		T= 1 4 4	T12 0 4 T23 4 4		
T12=0 T12=1	T23=0 119.646 125.468	T23=1 129.364 132.915	T23=2 132.309 135.242	T23=3 133.757 136.558	T23=4 134.961 137.814
		T= 4 4	T12 T13 4 4 4 4		
T13=0 T13=1	T12=0 134.961	T1?=1 137.814 136.407	T12=2	T12=3	T12=4

If the job is bid and won:

$$\Delta = (\$10 \text{ K})(3) - \$8 \text{ K} = \$22 \text{ K}$$

$$T' = [1 \quad 0 \quad 0]$$

$$f(T', 2, 0) = \$1.758 \text{ K}$$

If the job is bid and lost:

$$\overline{\Delta} = -\$8 \text{ K}$$

$$T = [3 \ 1 \ 0]$$

$$f(T, 2, 0) = \$13.222 \text{ K}$$

B = 0.55(\$22 K + \$1.758 K) + 0.45(\$13.222 K - \$8 K) = \$15.417 K, If the job is not bid,

$$\overline{B} = $13.222 \text{ K}$$

and because $B > \overline{B}$, the job should be bid.

Consider another example. Suppose that the game is in the next to the last year of play, that the job under consideration is the third out of 12 bid opportunities for the year, and that the company has one job underway which will be completed at the end of the third quarter and one which will be completed at the end of the second quarter. Thus, N = 12 - 3 = 9 and

$$\mathbf{T} = \begin{bmatrix} 4 & 2 & 1 \\ 4 & 4 & 4 \end{bmatrix} \qquad .$$

(Note that if $T_{1j} > 0$, T_{2j} must be 4.) Suppose that job number one comes up next. From Table I, the adjusted rate of income is \$22.5 K per quarter and the adjusted cost is \$4.5 K. The job's duration is 1 quarter, which will be completed in the current year. As before, the

transformed T matrix is found by setting $T'_{11} = \max \left(0, T_{11} - t_k\right) = 3$. In this case, it is not necessary to rearrange either row, so that

$$T' = \begin{bmatrix} 3 & 2 & 1 \\ 4 & 4 & 4 \end{bmatrix} .$$

Again using the equations of Chapter III, the following calculations are made.

If the job is bid and won,

$$\Delta = $22.5 \text{ K} (0.9)(1) - $4.5 \text{ K} = $15.75 \text{ K}$$

$$T' = \begin{bmatrix} 3 & 2 & 1 \\ 4 & 4 & 4 \end{bmatrix}$$

$$f(T', 9, 1) = $116.382 K$$

If the job is bid and lost,

$$\overline{\Delta}$$
 = - \$4.5 K

$$\mathbf{T} = \begin{bmatrix} 4 & 2 & \mathbf{1} \\ 4 & 4 & 4 \end{bmatrix}$$

$$f(T, 9, 1) = $121.818 K$$

Hence

B = 0.55(\$15.75 K + \$116.382 K) + 0.45(\$121.818 K - \$4.5 K) = \$125.466 K.

If the job is not bid,

$$\overline{B} = $121.818 \text{ K}$$

and again the job should be bid because $B > \overline{B}$.

Consider one final example which will illustrate the situation when all of the current year's work capacity can be used up. Suppose

end of the third quarter of the current year, one which will be completed at the end of the end of the current year, and one which will be completed at the end of the current year, and one which will be completed at the end of the following year. Assume that the company is in the first year of a 3-year game. This gives an available time matrix of

$$\mathbf{T} = \begin{bmatrix} 1 & 0 & 0 \\ 4 & 4 & 0 \\ 4 & 4 & 4 \end{bmatrix}$$

Suppose there will be nine bid opportunities during the year, and that this is the fifth, with job number nine up for consideration. Its value is \$540 K and its duration is 9 quarters. As before, N=9-5=4. The transformed T matrix is found in a manner similar to that used before. First, $T' = \max\left(0, T_{11} - t_k\right) = 0$. The first row is then 11 = 00 Now, because T'_{11} 1 is zero, it is necessary to see if the job extends into the following year. This occurs if $t_k - T_{11} > 0$, which is the case in this example. If there is no overlap, nothing else need be done unless all elements of the first row are zero (this will be discussed below). If there is overlap, set $T'_{21} = \max\left(0, 4 - t_k + T_{11}\right)$. If T'_{21} is zero, the same procedure is followed and if $t_k - 4 - T_{11} > 0$, overlap does exist. If it does, set $T'_{31} = 8 - t_k + T_{11}$. For the example, following this procedure yields a transformed second row of [0, 4, 0]2 and a transformed third row of [0, 4, 4]3. The next step in obtaining T' is to rearrange each row in descending order, yielding

$$\mathbf{T}^{1} = \begin{bmatrix} 0 & 0 & 0 \\ 4 & 0 & 0 \\ 4 & 4 & 0 \end{bmatrix}$$

In this case the top row consists of elements all of which are zero, indicating that if the job is bid and won, the company will not be able to undertake additional work in the current year because its work capacity is used up. The expected future increase in assets which is used in the decision calculation must take this into account. This is done by deleting the first row, and, if M > 2, adding a row of fours on the bottom. In the example, the transformed matrix becomes

$$T_{1}^{\prime} = \begin{bmatrix} 4 & 0 & 0 \\ 4 & 4 & 0 \end{bmatrix}^{*} .$$

Also, M is reduced by one, so that M' = M - 1 = 1 for the example, and the annual summary must be used because it is not yet known how many bid opportunities will occur in the next year.

Continuing, from Table I the adjusted rate of income from job 9 is \$15 K per quarter and the adjusted bidding cost is \$27 K. Then as before, if the job is bid and won,

$$\Delta = \$15 \ \text{K} \Big[1(0.9)^2 + 4(0.9) + 4 \Big] - \$27 \ \text{K} = \$99.15 \ \text{K}$$

$$f_{\text{m}}(T^{\text{T}}, 1) = \$71.558 \ \text{K}$$

If the job is bid and lost, T' = T and

$$\overline{\Delta} = -\$27 \text{ K}$$
,
f(T, 4, 2) = \\$122.294 K

$$T' = \begin{bmatrix} 4 & 0 & 0 \\ 4 & 4 & 0 \\ 4 & 4 & 4 \end{bmatrix}$$

^{*}If M > 2, the transformed matrix would be

Hence,

B = 0.55(\$99.15 K + \$71.558 K) + 0.45(\$122.294 K - \$27 K) = \$136.771 K

$$\bar{B} = $122.294 \text{ K}$$

and the job should be bid because $B > \overline{B}$.

The procedures used in the preceding examples can be summarized into the following steps:

- Calculate N = total bid opportunities for year minus number of the current bid opportunity.
- 2) Once the job duration, t_k, is known, transform the T matrix as follows:
 - a) Calculate $T'_{11} = \max(0, T_{11} t_k)$.
 - b) If $t_k T_{11} > 0$, calculate $T'_{21} = \max \left[0, 4 \left(t_k T_{11}\right)\right]$; otherwise, go to step 2) d).
 - c) If $t_k 4 T_{11} > 0$, calculate $T'_{31} = \max \left[0, 8 \left(t_k T_{11} \right) \right]$; otherwise, go to step 2) d).
 - d) Reorder each row in descending order.
 - e) If at least one element of the top row is not zero, go to step 3); otherwise, strike out the top row of T' and see if M > 2. If so, add a row of fours to the bottom of T, making it again square and go to step 2) f).
 If M ≤ 2, go directly to step 2) f).
 - f) Set M' = M 1.
- 3) Calculate the duration of the job done in each year as follows:
 - a) If $t_k < T_{11}$, $k_1 = t_k$; otherwise, $k_1 = T_{11}$.
 - b) If $t_k < T_{11}$, $k_2 = 0$; otherwise, $k_2 = \max(4, t_k T_{11})$.
 - c) If $t_k T_{11} \le 4$, $k_3 = 0$; otherwise, $k_3 = t_k T_{11} 4$.

- 4) Calculate \triangle conditional on bidding and winning from $\triangle = R_k \left[k_1 (0.9)^M + k_2 (0.9)^{M-1} + k_3 (0.9)^{M-2} \right] C_{Bk}$
- 5) Look up f(T', N, M) from the tables in Appendix A. If M' was calculated, use $f_m(T', M')$, the annual summary tables, instead of f(T', N, M).
- 6) Calculate $\overline{\Delta}$ conditional on bidding and losing from $\overline{\Delta}$ = C_{Bk}
- 7) Look up f(T, N, M) from the tables in Appendix A.
- 8) Calculate B and \overline{B} as follows: $B = 0.55 \left[\triangle + \left\{ f(T', N, M) \text{ or } f_m(T', M') \right\} \right] + 0.45 \left[\overline{\triangle} + f(T, N, M) \right];$ $\overline{B} = f(T, N, M).$
- 9) Bid if $B > \overline{B}$; otherwise, do not bid.

The above steps make it possible for anyone to choose the optimal course of action with a minimum of calculation and search through tables, regardless of the company's state and the job that is being considered.

CHAPTER V

CONCLUSIONS AND RECOMMENDATIONS

The preceding chapters have presented some of the background which makes the formulation of decision theoretic solutions for large scale problems a desirable undertaking, a description of the bidding-work-loading game which is a simplistic large scale sequential decision problem, and the formulation of the dynamic programming recursion relationships which can be used by all players to ascertain optimal decisions for all possible states of their hypothetical "company". The recursion relationships have been exercised to generate tables of partial solutions (presented in Appendix A) and examples illustrating the use of these tables have been presented.

A key conclusion resulting from these is that it is possible to solve large scale sequential decision problems and present the results in a "reasonable" volume of data by leaving some of the calculations to the decision maker. Another conclusion is that, for the bidding-work-loading game, the choice of a method for presenting the unused time matrix, T, leads to substantial savings in the number of states which must be enumerated. Allowing all possible combinations of the elements, with each element taking on five different values, there would be 5 possible combinations. Some of these are clearly not feasible, because it is not possible to have all elements in any row be less than four if all elements in the row above them are greater than zero; i.e.,

there cannot be less than 4 quarters of work capacity in all work channels of a subsequent year if there is still work capacity left in all channels of a preceding year. This constraint alone eliminates a large number of combinations. Adding the restriction that the elements in each row must be arranged in decreasing order further reduces the number of possible combinations, leaving only 293 that are feasible and unique. While this result happens because of the nature of the bidding-work-loading game structure, the point must be made that there are probably similar properties associated with most large scale decision problems which can be exploited to make the solution formulation more tractable.

The example problems presented in Chapter IV yielded the same decision, bid the job. The company states and jobs were chosen arbitrarily, but nevertheless the action dictated by the solution prompts the question of whether there exist one or two sets of criteria which could be checked to see if the job should be bid or not. This is a possible follow-on effort.

The bidding-work-loading game solution has been presented here in tabular form. Clearly, it would be possible to store these tables in the memory of a computer and write an interactive computer program for a time sharing terminal which would perform the calculations that must now be done by hand. It is recommended that this approach be pursued if the game is to be used extensively in classroom exercises and the solution is to be used for grading the results. The notion of an interactive computer program prompts thoughts of incorporating decision

theoretic solutions into computerized management information systems as a logical extension of the methodology. These visions are, however, left for future endeavors.

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APPENDIX A

EXPECTED INCREASE IN ASSETS, 1000'S OF SO YEARS AND O BID OPPORTUNITIES REMAINING

		T= 1	T12 T13		
T13=0 T13=1	T12=0 .630	T12=1 .630 .630	T i 2=2	Ţ į 2 = 3	T12=4
		T= 2	T12 T13		
	T12=0	T12=1	T12=2	712=3	T12=4
T13=0	2.974	2.774	2.974		
T13=1		2.974	2.974		
T13=2			2.974		
		T= 3	T12 T13		
	T12=0	712=1	Ti2=2	T12=3	T12=4
T13=0	6.712	6.712	6.712	6.712	
T13=1	- •	6.712	6.712	6.712	
T13=2			6.712	6.712	
T13=3				6.712	
		T= 4	T12 T13		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	10.317	10.317	10.317	10.317	10.317
T13=1		10,317	10.317	10.317	10.317
T13=2		-	10.317	10.317	10.317
T13=3				10.317	10.317
T13=4					10.317

EXPECTED INCREASE IN ASSETS, 1000°S OF S O YEARS AND 1 BID OPPORTUNITIES REMAINING

		Te 1	T12 T13		
	T12=0	712=1	T 1 2=2	T12=3	T12=4
713=0	1.215	1.260			
T13=1		1.260			
		T= 2	T12 T13		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	4.993	5.145	5.947		
T13=1		5.145	5.947		
T13=2		•	5.947		
		T= 3	T12 T13		
	T12=0	T12=1	T12=2	T12=3	712=4
T 1 3 = 0	10.359	10.591	11.581	13.424	
T13=1		10.591	11.591	13.424	
713=2			11.581	13.424	
T 1 3 = 3			•	13.424	
		T∎ 4	T12 T13		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	15.361	15.597	16.718	18.651	20.634
T13=1	· - -	15.597	16.718	18.651	25.634
T13=2		- • •	16.71R	18,651	20.634
T13=3			3 - V · •	18.451	20.634
T13=4				• • -	20.634

EXPECTED INCREASE IN ASSETS, 1000'S OF SOME OF A STATE OF A STATE

		Tm 1	T12 T13		
	T12=0	T12=1	T 2 = 2	T12=3	T12=4
T13=0	1.758	1.887			
T13=1		1.890			
		T = 2	T12 T13		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	6.476	6.882	R.569		
T13=1		6.893	8.621		
T13=2			A.921		
		T= 3	T12 T13		
	T12=0	Ti2=1	T12=2	T12=3	T12=4
T13=0	12.704	13,222	15.198	18.668	
T13=1		13.235	15.254	18.764	
113=2			15.580	19,210	
T13=3				20,136	
		T == 4	T12 T13		
	T12=0	T12=1	112=2	T12=3	T12=4
T13=0	18.175	18.653	20.883	24.580	28,236
Y13=1		18.667	20.935	24.667	28.324
T13=2			21,297	25.140	28.861
T13=3	•		- -	26.093	29.860
T13=4					30.951

EXPECTED INCREASE IN ASSETS, 1000'S OF SOME OF THE PROPERTY OF

		T= 1	T12 T13		
	T12=0	T12=1	T12=2	T 1 2=3	T12=4
T13=0	2.262	2,508			
T13#1	-	2.520			
		T= 2	T12 Tī3		
	T12=0	7 1 2=1	T12=2	712=3	T12=4
113=D	7.671	8.294	10.823		
T13=1		8.333	10.960		
T13=2			11.765		
		T= 3	T12 T13		
	T12=0	T12=1	T12#2	T 1 2 = 3	T12=4
T13=0	14.474	15,225	18,026	22.624	
T13=1	• •	15.262	18.186	22.871	
T13=2			18.987	23.961	
T13=3				26.125	
		Tm 4	T12 T13		
	T12=0	T12=1	T12=2	712=3	712=4
T13=0	20.092	20.785	23.873	28.744	33.385
T13=1	2000,	20.821	24.030	28.969	33.610
T!3=2			24.939	30.142	34.952
T13=3				32.405	37.353
T13#4					39.861

EXPECTED INCREASE IN ASSETS: 1000*S OF \$ 0 YEARS AND 4 BID OPPORTUNITIES REMAINING

		T= 1	T12 T13		
	T12=0	712=1	T 1 2 = 2	T12=3	T12=4
T13=0	2.731	3,120			
T13=1		3,149			
		Tu 2	T12 T13		
	T12=0	T : 2 = 1	T12=2	T12=3	T12=4
113=0	8 4 6 7 2	9.516	12.793		
T13=1		9.584	13.044		
T13=2		•	14.391		
		T= 3	T12 T13		
	712=0	T12=1	712=2	T12=3	T12=4
T 1 3 = 0	15.815	16.851	20.248	25.728	
T13=1		16,929	20.582	26.116	
T13=2			21.976	27.866	
T13=5				31.162	
		T= 4	T12 T13		
	T12=0	T12=1	712=2	T12=3	T12=4
7:3=0	21.548	22.405	26.203	31.873	37.007
T13=1		22.48C	26.451	32.239	37,353
T13=2			27.979	34,084	39.445
713=3				37,535	43.133
T13=4					46.831

EXPECTED INCREASE IN ASSETS, 1000'S OF SOME OF YEARS AND SOME REPAINING

		T= t	T12 T13		1
	T12=0	T12=1	T12=2	T12=3	. T12=4
T13=0	3.145	3.722			
T13=1		3.777			
		7≈ 2	T12 T13	•	;
	T12=0	T12=1	T12=2	T 1 2=3	T12=4
T13=0	9.512	10.611	14.504		1
T13=1	•	10.724	14,892		
T 1 3=2			16.776		
		T# 3	T12 T13		
	T12=0	T12=1	T 1 2=2	T12=3	T12=4:
T13=0	16.875	18.188	22.244	28.214	1
T13=1	-	18,328	22.640	28,783	
T13=2		•	24 610	31,104	:
T13=3			•	35,335	
		T= 4	T12 T13		:
	T12=0	T12=1	T12=2	r 712=3 :	712 = 4
713=0	22.735	23./35	28.139	34,337	39,726
T13=1		23.835	28.487	34,838	40.176
T13=2			30.600	37.305	47.942
T13=3				41.690	47.579
T13=4					52.077

T13#4

EXPECTED INCREASE IN ASSETS. 1000'S OF S O YEARS AND 6 RID OPPORTUNITIES REMAINING

T =	•	•	TI	•
		 •		

		T= 1	T12 T13 ,		
F	T12=0	T12=1	T12=?	T12#3	T12=4
T13=0	3.569	4.312	1	•	
T13=1	,	4.403			
ì	•	, T= 2	T12 T13		
	T12=0	T12=1	1712=2	712=3	T12=4
113=0	10.218	11.595	15.984	•	
713=1	, ~	11.770	16.535		
713=2	1	1	18,980		
!	• •		T12 T13	;	
	: T12=0	T] 2 = 1	T12=2	T12=3	T12=4
T 1 3 = 0	17.793	19.306	23.932	30.305	
713=1	1	19.526	24.459	31.003	
T13=2	:	1	26,926	33,890	
T13=3	•	!	•	38.797	
		T= , 4	T12 T13 1		:
'	T 1 2 = 0	T12=1	: T12=2	T12=3	T12=4
T13=0	23.709	24.891	29.761	36.386	41.929
T13=1	234707	25.033	30.237	37.008	42.449
113=2			32.903	40.015	45.774
T13=3		·	y	45.125	51,131
	į.			,	54.081

EXPECTED INCREASE IN ASSETS, 1000'S OF # 0 YEARS AND 7 RIO OPPORTUNITIES REMAINING

		T = 1	T12 T13		
	T12=0	T12=1	T12=2	T 1 2 = 3	T12=4
T13=0	3.944	4.889			
T13=1		5.026			
		T= 2	T12 T13		
	T12=0	T 2=1	T12=2	T12=3	T12=4
T13=0	10.814	12.484	17.291		
T13=1		12.736	17.999		
T13=2			20,991		
		T= 3	T12 T13		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	18.598	20.282	25.386	32,107	
T13=1		20.574	26.073	32.947	
T13=2			29.019	36.290	
T13=3				41.772	
		T _{ER} 4	T12 T13	;	
	T12=0	T + 2 = 1	T12=2	T12=3	T12=4
713=D	24.514	25.905	31.177	38.102	43.751
T13=1		26.106	31.760	38.857	44,365
T13#2		·	34.971	42.360	48.156
T13=3				48,007	54.048
Y13=4					59.289

EXPECTED INCREASE IN ASSETS, 1000'S OF SOME YEARS AND PRID OPPORTUNITIES REMAINING

		T= 1	T12 T13		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	4.297	5.452			
T13=1		5,647			
		T≈ 2	T12 T13		
	T12=0	T 1 2 = 1	T12=2	712=3	T12=4
T13=0	11.378	13,288	18.482		
T13=1		13,636	19.313		
T13=2			22.813		
		T= 3	T12 T13		
	T12=0	717=1	T12=7	T12=3	T12=4
113=D	19.277	21,176	26.63B	33.661	
T13=1		21,529	27.510	34,648	
T13=2			30.925	38.420	
T13=3				44.333	
		T= 4	T12 T13		
	T12=0	T12=1	₹12#2	T12=3	T12=4
T13=0	25.187	26.804	32.454	39.592	45.283
T13=1		27.077	33.118	40.443	45.996
T13=2			36.824	44.445	50.244
T13=3			-	50.491	56.516
T13=4					61.938

EXPECTED INCREASE IN ASSETS: 1000+5 OF S D YEARS AND 9 RID OPPORTUNITIES REMAINING

		T= t	112 713		
	T12=0	T12#1	T; 2=2	T17=3	T12=4
T13=0	4.623	5.999			
T13=1	, , ,	6.263			
		Y= 2	T12 T13		
	T12=0	T12=1	T:2=2	T12=3	Y12=4
T13=0	11.914	14.019	19.571		
T13=1	-	14.478	20.540		
T13=2		·	24,466		
		T= 3	T12 T13		
	T12=0	T12#1	T12=2	T12=3	T12=4
113=0	19.877	21.998	27.732	35.003	
T13=1		22.429	28.793	36,148	
713=2			32.660	40.337	
T13=3				46.575	
		T = 4	T12 T13		
	T12=0	T12=1	T12=2	T12=3	T12=4
713=D	25.755	27.610	33.607	40.934	46.653
T13=1		27.968	34.374	41.842	47.412
T13=2			38.490	46.292	52.086
Y 1 3 = 3			₩ ₩ 17 ₩	52.697	58.684
T13=4					64.207

EXPECTED INCREASE IN ASSETS: 1000'S OF \$ 0 YEARS AND 10 BID OPPORTUNITIES REHAINING

		T≖ t	T12 T13		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	4.943	6.530			
713=1		6.874			
		T= 2	T12 T13		
	T12=0	T 2=1	T 2 = 2	T12=3	T12=4
113=0	12.422	14.687	20.569		
T13=1	_	15,271	21,684		
T13=2			25.968		
		T# 3	T12 TÎ3		
	T12=0	7 j 2 = 1	712=2	T 1 2 = 3	T12=4
T13=0	20.401	22.755	2A.733	36,166	
713=1	•	23.279	29.945	37.479	
T13=2			34.241	42.056	
T13=3				48.595	
		T= 4	T12 T13		
	T12=0	Ti2=1	T12=2	712=3	T12=4
T13=0	26.272	28,353	34.650	42.138	47.875
T13=1	,	28.818	35.535	43.130	48,706
T13=2			39.998	47.929	53.723
T13=3				54.548	40.596
T13#4					46.189

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 0 YEARS AND 11 BID OPPORTUNITIES REMAINING

		T= 1	T12 T13		
	T12=0	T12=1	T12=2	T12=3	T12=4
113=0	5.252	7.047			
T13=1		7.479			
•		T= 2	T12 T13		
	T12=0	T 1 2 = 1	T12=2	T12=3	T12=4
T13=0	12,905	15.301	21.486		
T13=1		16.020	22,748		
T13=2			27.336		
		T= 3	T12 T13	•	
	T12=0	T 1 2 = 1	T12=2	712=3	T12=4
T13=0	20.863	23.455	29.671	37.209	
T13=1		24.085	30.984	38.670	
T13=2			35.684	43,602	
T13=3				50.404	
		T= 4	T12 T13		
	T12=0	T12=1	112=2	T12=3	712=4
T13=0	26.768	29.052	35.598	43.219	48,969
T13=1		29.635	36,608	44.317	49.894
T13=2			41.402	49.400	55.168
713=3				56,372	62.294
T13=4					67.933

EXPECTED INCREASE IN ASSETS, 1000*S OF \$ ANNUAL SUMMARY, D YEARS REMAINING

		T= 1	T12 T13		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	3.707	4.549			
T13m1	· · ·	4.698			
		T _m 2	T12 T13		
	T12=0	T 1 2=1	T12=2	712=3	T12=4
T 1 3 = 0	10.356	11.858	16.362		
T13=1		12.094	16.983		
T13=2			19.648		
		T= 3	T12 T13		
	T12=0	T 2=1	T12=2	T12=3	T12=4
T13=0	17.911	19.504	24.233	30,653	
T:3=1		19.759	24,867	31.426	
713=2			27.546	34.471	
T13=3				39.481	
		T= 4	T12 T13		
	T12=0	T12=1	T12=2	T 1 2 = 3	112=4
T13=0	23.732	25.042	30.018	36.627	42 4 1 0 3
T13=1		25.233	30.537	37.297	42.669
T13m2			33,429	40.504	46.148
T13=3			-	45.677	51.551
T13=4					56.425

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 1 YEARS AND O BID OPPORTUNITIES REMAINING

1 0 0 T= 4 722 723 T23=0 T23=1 Y23=2 T23=3 T23 T22=0 28.446 47.233 44.817 40.871 48.076 T22=1 31.723 47.431 48.076 53.4 T22=2 40.871 53.479 51.7 T22=3 51.704 57.4 T22=4 1 712 0 T= 4 4 723 T12=0 47.233 49,431 53.479 57.464 60.6 T12=1 42.103 42.669 46.148 51.551 56.4	179 104 164 177
T23=0 T23=1 T23=2 T23=3 T23 T22=0 28.446 47.233 44.817 40.871 48.07 T22=1 31.923 47.431 48.076 53.4 T22=2 40.871 53.479 51.7 T22=3 51.704 57.4 1 T12 0 T= 4 4 T23 T12=0 47.233 49.431 53.479 57.464 60.6 T12=1 42.103 42.669 46.148 51.551 56.4)96 179 104 164 577
T22=D 28.446 47.233 44.817 40.871 48.67 T22=1 31.923 47.431 48.096 53.4 T22=2 40.871 53.479 51.7 T22=3 51.704 57.4 60.6 T23=0 T23=1 T23=2 T23=3 T23 T12=0 47.233 49.431 53.479 57.464 60.6 T12=1 42.103 42.669 46.148 51.551 56.4)96 179 104 164 577
T22=1 31.923 47.431 48.096 53.477 51.72=2 40.871 53.479 51.72=3 51.704 57.4 60.6 60.6 60.6 60.6 60.6 60.6 60.6 60	179 104 164 177
T22=2 T22=3 T22=4 1 T12 0 T= 4 4 T23 T23=0 T23=1 T23=0 T23=1 T23=2 T12=0 T23=3 T23	704 164 577
T22=3 T22=4 1 T12 0 T= 4 4 T23 T23=0 T23=1 T23=2 T23=3 T23 T12=0 47.233 49,431 53.479 57.464 60.6 T12=1 42.103 42.669 46.148 51.551 56.4	164
T22m4 1 T12 O Tm 4 4 T23 T23m0 T23m1 T23m2 T23m3 T23 T12m0 47.233 49,431 53.479 57.464 60.6 T12m1 42.103 42.669 46.148 51.551 56.4	
T= 4 4 T23 T23=0 T23=1 T23=2 T23=3 T23 T12=0 47.233 49,431 53.479 57.464 60.6 T12=1 42.103 42.669 46.148 51.551 56.4	ı 4
T= 4 4 T23 T23=0 T23=1 T23=2 T23=3 T23 T12=0 47.233 49,431 53.479 57.464 60.6 T12=1 42.103 42.669 46.148 51.551 56.4	ı 4
T23=0 T23=1 T23=2 T23=3 T23 T12=0 47.233 49,431 53.479 57.464 60.6 T12=1 42.103 42.669 46.148 51.551 56.4	ı 4
T12=0 47.233 49,431 53.479 57.464 60.6 T12=1 42.103 42.669 46.148 51.551 56.4	1 - 4
T12=1 42.103 42.669 46.148 51.551 56.4	, — •
	77
1 T12 T13	125
Y= 4 4 4	
T12=0 T12=1 T12=2 T12=3 T12	_4
T13=0 60.677 56.425	. – .
T13=1 54,425	
3 0 4	
2 0 0 T= 4 T22 T23	
723=0 723=1 723=2 723=3 723	
722=0 30.586 48.269 46.227 42.074 49.5 722=1 33.952 50.492 49.554 54.5	-
T22=1 33.952 50.492 49.554 54.5 T22=2 42.074 54.570 53.3	
T22=3 53,361 59,1	
T22=4 62-2	-
2 112 0	
T= 4 4 T23	
T23=0 T23=1 T23=2 T23=3 T23	= 4
T12=0 48.249 50.492 54.570 59.136 62.2	15
T12=1 42.103 42.669 46.148 51.551 56.4	
712=2 42.103 42.669 46.148 \$1.551 56.4	25
2 T12 T13	
Ta 4 4 4	
T12=0 T12=1 T12=2 T12=3 T12	
T13=0 62.215 56.425 56.425	'e1 4
Y13#1 56,425 56,425) en 4
T13=2 56.425)e 4

EXPECTED INCREASE IN ASSETS, 100015 OF \$ 1 YEARS AND O BID OPPORTUNITIES REMAINING

T22=0 T22=0 T22=1 T22=1 T22=1 T22=1 T22=1 T22=1 T22=2 T22=3 T22=4 T22=4 T23=0 T23=0 T23=1 T23=0 T23=0 T23=1 T23=0 T23=0 T23=1 T23=0						
T22=0 T22=1 T22=1 T22=1 T22=1 T22=2 T22=3 T22=4 T22=3 T22=4 T22=5 T22=4 T22=6 T22=6 T22=6 T22=6 T22=6 T22=6 T22=7 T22=7 T22=7 T22=7 T22=1 T22=6 T22=1 T22=6 T22=1 T22=6 T22=1 T22=6 T22=1 T22=6 T22=1 T22=1 T22=6 T22=1			3	0 0		
T22=0 T22=1 T22=1 T22=1 T22=2 T22=2 T22=3 T22=4 T22=4 T22=4 T22=3 T22=4 T22=5 T22=4 T22=6 T22=7			1 4 1	72 173		
T22=1 T22=2 T22=2 T22=3 T22=4 T22=3 T22=4 T22=3 T22=4 T22=3 T22=4 T22=3 T22=4 T23=0 T23=1		T73=0	T23=1	Y23=2	T23=3	T23=4
T22=1 T22=2 T22=4 T22=3 T22=4 T22=1 T22=0 T22=1 T23=0 T23=1 T23=0 T23=1 T23=2 T23=3 T23=4 T23=3 T23=4 T23=3 T23=4 T23=0 T23=1 T23=2 T23=3 T23=4 T33=3 T23=4 T23=3 T23=3 T23=3 T23=4 T23=3 T23=3 T23=3 T23=3 T23=3	T22=0	32.51A		47.711	43.874	51.023
T22=3 T22=4 T23=0 T23=1 T23=1 T23=1 T23=1 T23=1 T23=1 T23=1 T23=2 T23=3 T23=4 T12=0 T12=0 T12=0 T12=1 T12=1 T12=1 T12=1 T12=3 T23=2 T23=3 T23=4 T23=3		•		·	51.023	55.826
T22=4 T23=0 T23=0 T23=1 T23=2 T23=0 T23=1 T23=2 T23=3 T23=4 T12=0 50.034 51.670 55.826 66.495 66.495 112=1 42.428 42.957 46.322 51.551 56.495 T12=3 42.428 42.957 46.322 51.551 56.495 T12=3 T12=0 T12=0 T12=1 T12=1 T12=1 T12=1 T12=1 T12=2 T13=1 T13=1 T13=1 T13=2 T13=2 T13=2 T23=0 T23=1 T23=2 T23=0 T23=1 T23=2 T23=3 T23=4 4 0 0 T= 4 T22 T23 T23=3 T23=4 T22=0 32.784 50.798 47.773 43.678 51.074 55.955 T22=3 T22=3 T22=4 4 T12 0 T= 4 T23=2 T23=3 T23=4 T12=0 T12=0 T12=0 T23=1 T23=2 T23=3 T23=4 T23=4 T23=3 T23=4 T23=4 T23=5 T23=5 T23=4 T23=6 T23=1 T23=2 T23=3 T23=4 T23=3 T23=4 T23=3 T23=4 T23=4 T23=5 T23=5 T23=5 T23=6 T23=6 T23=7 T23=7 T23=7 T23=7 T23=7 T23=8 T23=8 T23=8 T23=8 T23=8 T23=8 T23=8 T23=8 T23=8 T23=9 T23=1 T23=2 T23=3 T23=4 T23=3 T23=4 T23=3 T23=4 T23=6 T23=6 T23=7 T23=7 T23=7 T23=7 T23=7 T23=8 T2	T22#2			43.874	-	
T12=0 T12=0 T12=0 T12=0 T12=0 T12=0 T12=0 T12=1 T12=1 T12=1 T12=1 T12=1 T12=2 T12=2 T12=3 T12=3 T12=1 T12=3 T12=1 T12=3 T12=1 T12=3 T12=1 T13=1 T13=1 T13=1 T13=2 T13=1 T13=2 T13=3 T23=1					54.874	***
T23=0 T23=0 T23=1 T23=0 T23=1 T23=2 T12=0 T12=1 T12=0 T12=1 T12=2 T12=2 T12=2 T12=3 T12=3 T12=1 T12=1 T12=0 T12=1 T12=1 T12=0 T12=1 T13=2 T13=2 T13=2 T13=3 T23=1 T23=1 T23=1 T23=2 T23=1 T23=2 T23=3 T23=1 T23=2 T23=3 T23=4 T23=3 T23=4 T23=3 T23=3 T23=4 T23=3 T23=4 T23=3 T23=3 T23=4 T23=3 T23=3 T23=4 T23=3 T23=3 T23=4 T23=3 T23=4 T23=3 T23=4 T23=3 T23=3 T23=4 T23=3 T23=3 T23=4 T23=3 T23=3 T23=4 T23=3 T23=3 T23=4 T23=3 T23=4 T23=3 T23=3 T23=4 T23=3 T23=4 T23=3	T22=4					63.85m
T23=0 T23=0 T23=1 T23=0 T23=1 T23=2 T23=3 T23=4 T12=0 T12=1 T12=1 T12=2 T12=2 T12=3 T12=3 T12=1 T12=0 T12=1 T12=0 T12=1 T12=0 T12=1 T12=0 T12=1 T12=1 T12=1 T12=1 T12=1 T12=1 T12=1 T12=1 T13=1 T13=2 T13=2 T13=3 T23=1 T23=2 T23=3 T23=4 T23=1 T23=2 T23=3 T23=4 T23=3 T23=3 T23=4 T23=3 T23=3 T23=4 T23=3 T23=4 T23=3 T23=3 T23=4 T23=3 T23=3 T23=3 T23=4 T23=3 T23=3 T23=3 T23=3 T23=4 T23=3 T23=3 T23=3 T23=4			3 1	712 C		
T23=0 T23=0 T23=1 T23=2 T23=3 T23=4 T12=0 T24-24 T12=1 T24-424 T24-257 T23=3 T23=4 T25-5 T12=3 T24-428 T24-957 T46-322 T13=5 T24-428 T24-957 T46-322 T13=5 T24-428 T24-957 T46-322 T13=6 T12=0 T12=1 T12=1 T12=2 T13=3 T12-13 T13=1 T13=1 T13=1 T13=2 T13=2 T13=3 T23=1 T23=1 T23=0 T23=1 T23=2 T23=3 T23=3 T23=4 T23=3 T23=4 T23=3 T23=3 T23=4 T23=3 T23=4 T23=3 T23=4 T23=3 T23=4 T23=3 T23=3 T23=4						
T12=0				••		
T12=0		T 2 3 0	703-1	101-1	723=1	T23=4
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T12=2 43.20A 43.736 46.986 52.032 56.705 T12=3 43.20A 43.736 46.986 52.032 56.705 T12=4 43.20B 43.736 46.986 52.032 56.705 4 T12 T13 T# 4 4 # T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 64.500 56.705 56.705 56.705 56.705 T13=1 56.705 56.705 56.705 56.705 T13=2 56.705 56.705 56.705 56.705 T13=3 56.705 56.705 56.705 56.705	T 2 = 0	50.798	52,085	55.955	60.966	64.500
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				70 € / % 7		
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EXPECTED INCREASE IN ASSETS, 1000'S OF S 1 YEARS AND 1 BID OPPORTUNITIES REMAINING

		1 0 0		
		T= 4 TZ2 TZ3		
	723mp	723=1 723=2	T23#3	723-4
122=Q	31.400	50.445 49.525	45.530	52.848
T22=1		36.111 53.664	52.648	58.068
T22=2		45.530	58,068	55.476
T22=3			55.476	41.166
T22=4				63.335
		1 T12 0		
		T= 4 4 T23		
	T23=0	T23=1 T23=2	T23=3	T23#4
T12=0	50.445	53.444 58.068	61.166	63.338
T12=1	54.668	56.913 60.298	63.221	65.521
		1 712 713		
		T= 4 4 4		
	T12=0	T12=1 T12=2	T12=3	T12=4
T 1 3 = 0	63.338	65.521		
T13=1		62,306		
		2 O G		
		T# 4 T22 T23		
	123=C	723=1 T23=2	T23=3	T23=4
T22=0	34.302	52.289 51.854	47.411	55.271
T22=1		38.603 55.495	55.271	59.927
T 2 2 = 2		47.411	59.927	58.261
T22=3			58.261	63.978
T22=4				65,995
		2 712 0		
		T= 4 4 T23		
	T23=0	T23=1 T23=2	T 2 3 = 3	T23=4
T12=0	52.289	55,495 59,927	63.978	65.995
T12=1	55.612	57.997 61.653	65.395	67.873
T12=2	56.322	58.608 62.243	66.030	68.503
		2 T12 T13	٠.	
		T= 4 4 4		
	T12=0	T12=1 T12=2	T 1 2=3	T12=4
T13=0	65.995	67,873 68,503		
713=1		64.794 64.794		
T13=2		64.794		

EXPECTED INCREASE IN ASSETS, 1000*5 OF % 1 YEARS AND 1 AND OPPORTUNITIES REMAINING

		3 0 0		
		T= 4 T72 T23		
	723=0	T23=1 723=2	T23=3	T23=4
T22=0	37.897	55.266 54.167	50.204	57.647
T22=1		41.381 57.563	57.642	62,224
T22=2		50.204	62.224 60.933	60,933 66,591
T22=3			80.133	69.066
		3 T12 0		
		T= 4 4 T23		
	T23=0	723=1 723=2	T23=3	723=4
T12=0	55.266	57,563 62,224	66,591	69,066
T12=1	56.909	58.852 62.839	66,923	69.801 70.419
T12=2	57.544 58.389	59,422 63,390 60,141 64,075	67.555 68.226	71.120
T12=3	301387		804	
		3 712 713		
		T= 4 4 4		
	T 2=0	T12=1 T12=2	T12=3	T12=4
T13=0	69.066	69.801 70.419	71.120	
T13=1		67.034 67.014	67.106	
T13=2 T13=3		67.034	67.106 67.106	
113-3				
		4 0 0		
		T= 4 T22 T23		
	T23=0	T23=1 T23=2	723=3	T23=4
T 22=0	40.813	58,656 56,870	52.656	60.22F
T22=1		43.904 60.536	60.228	64.687 63.821
T22=2		52.656	64.687 63.821	69.317
T22=3 T22=4			~ D • ~ L •	71.955
-		4 T12 G		
		T= 4 4 773		
	123=0	T23=1 T23=2	773=3	T23=4
T12=0	58,656	60,536 64.687	69.317	71.955
T12=1	57.886	59.453 63.234	67.772	71.05i
T1242	5A.378	59,903 63,673	68.270 68.808	71,556
T12=3 T12=4	59.073 59.33A	60.481 64.219 60.708 64.431	69.065	72.341
,,,,,,	37423	4 T12 T13		
		T= 4 4 4		
				7 4 6 - 41
_	T12=0	T17=1 T12=2	T12=3	T12=4
T13=0	71,955	71,051 71,556	72,103 68,970	72.341 69.224
T13=1		68.925 68.925 68.925	68.970	69.224
713=2		NO 1763	68.970	67.321
713=3 713=4			200	69,961
113=4				

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 1 YEARS AND 2 BID OPPORTUNITIES REMAINING

		1 0 0		
		T# 4 T22 T23		
	723=0	723=1 723=2	723=3	723=4
T22=0	33.614	52,557 52,477	48.463	55.832
T22=1		39.116 56,604	55,832	60.940
T22=2		48,463	60,740	57,838 63.484
T22=3 T22=4			57.838	65.004
122-1				
		1 712 0		
		T= 4 4 T23		
	T23=0	T23=1 T23=2	773#3	T23=4
T12=0	52.557	56.604 60.940	63.484	65.004
Y12m1	62.377	55,471 68,781	70.519	71.626
		1 T12 T13		
		T= 4 4 4		
		,- , , ,		
	T 1 2=0	T12=1 T12=2	T12=3	T 2=4
T13#0	65.004	71,626		
713m1		72.047		
		2 0 0		
		T= 4 722 723		
	T23=0	T73=1 T23=2	T 2 3 = 3	T23=4
T22=0	36.624	54.761 55.160	50,620	58,629
T22=1		41.518 58.585	58,629	63.098
T22=2 T22=3		50.620	63.098 61.130	61.130
T22=4			0,,,,,	68.200
		2 712 0		
		T= 4 4 T23		
	T23=0	T23=1 T23=2	T23=3	T23=4
T12=0	54.741	58,585 63.098	66.811	68.200
712=1	64.101	67.502 71.209	73.978	75.253
T12=2	65.525	68,818 72,534	75.427	76,700
		2 T12 T13		
		7= 4 4 4		
	T12=0	T12=1 T12=2	T12=3	712=4
T13=0	48.200	75,253 76.700		
T13=1		75.346 76,153		
T 1 3 = 2		76.487		

EXPECTED INCREASE IN ASSETS, 1000'S OF S 1 YEARS AND 2 BID OPPORTUNITIES REMAINING

T= 4 T22 T23 T23=0 T23=0 T23=0 T23=1 T23=1 T23=2 T22=1 T22=1 T22=1 T22=1 T22=2 T22=3 T22=4 T23=3 T23=4 T12=0 T12=1 T12=0 T12=1 T12=0 T12=1 T12=0 T12=1 T12=0 T12=1 T13=0 T12=0 T12=1 T13=0 T12=0 T13=1 T13=0 T23=1 T23=2 T23=3 T23=4 T23=0 T23=1 T23=2 T23=3 T23=4 T23=3 T23=4 T23=3 T23=4 T23=0 T23=1 T23=2 T23=3 T23=4 T2			3 0 n		
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T22=2 T22=3 T22=4 T23=0 T23=1 T23=0 T23=1 T23=0 T23=1 T23=2 T23=3 T23=4 T12=0 T3=1 T23=0 T23=1 T23=2 T12=0 T3=1 T23=0 T23=1 T23=2 T12=0 T3=1 T23=0 T23=1 T23=3 T23=4 T12=0 T12=1 T12=0 T13=0 T12=1 T12=0 T13=0 T13=0 T13=0 T23=0 T23=1 T23=0 T23=1 T23=0 T23=0 T23=1 T23=1 T23=0 T23=1 T2	T22=0			·	
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T22=4 T73=7 T73=7 T73=1 T23=2 T73=1 T23=2 T12=0 T12=1 T12=1 T12=1 T12=1 T12=1 T12=2 T12=3 T73=4 T12=2 T12=3 T73=4 T12=3 T73=4 T12=4 T12=3 T73=4 T12=5 T73=7 T7			53.637		
T73=0 T12=0 T12=1 T23=2 T23=3 T23=4 T12=0 68,179 61,111 A5,879 70,043 71,980 T12=1 46,191 A9,097 73,3A6 76,587 78,279 T12=2 A7,514 70,347 74,627 78,055 79,732 T12=3 A9,384 71,980 76,185 79,690 81,456 T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 71,980 78,279 79,732 81,456 T13=1 78,279 79,312 80,157 T13=2 78,140 79,086 79,868 T73=3 T23=1 T23=2 T23=3 T23=4 T22=0 45,092 62,855 A1,885 57,673 A5,283 A9,510 T22=1 48,781 A5,175 A5,283 A9,514 A6,422 T22=2 77,673 A6,422 73,995 T22=4 4 T12 0 T= 4 T23 T23=1 T23=2 T23=3 T23=4 T23=0 T23=1 T23=2 T23=3 A9,510 T23=1 T23=2 T23=3 A9,510 T23=1 T23=2 T23=3 T23=4 T22=2 T23=3 T23=4 T23=2 T23=3 A9,510 T23=1 T23=2 T23=3 T23=4 T23=0 T23=1 T23=2 T23=3 A9,510 T23=1 T23=2 T23=3 A9,514 T22=2 T23=3 T23=4 T23=2 T23=3 T23=4 T23=3 T23=4 T23=2 T23=3 T23=4 T23=0 T33=1 T23=2 T23=3 T23=4 T13=0 T23=1 T23=2 T23=3 T23=4 T12=0 A2,855 A1,885 T2,873 A9,514 A6,422 T3,995 T6,138 T23=2 T23=3 T23=4 T12=0 A9,3A8 T1,040 75,921 79,936 R2,670 T12=2 A9,3A8 T1,040 75,921 79,936 R2,670 T12=3 T0,994 73,139 77,559 R1,3A6 A9,670 T12=4 T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 T6,138 R0,670 R2,054 R3,600 R4,987 T13=1 T12=0 T12=1 T12=2 T12=3 T12=4 T13=1 T6,138 R0,670 R2,054 R3,600 R4,987 T13=3 R0,156 R1,063 R1,950 R2,721				644307	
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T23=0 T23=1 T23=2 T12=0 T38-179 T12=1 A6-191 A7-097 T3-3A6 T6-5A7 TA-279 T12=2 A7-514 T1-9A0 T12=3 A7-514 T1-9A0 T12=3 A7-3A4 T1-9A0 T12=3 T12=3 T12=1 T12=0 T12=1 T12=0 T12=1 T12=0 T12=1 T12=7 T13=0 T1-9A0 T8-279 T9-312 T13=2 T13=2 T13=2 T13=3 T23=1 T23=1 T23=1 T23=2 T23=1 T2					
T12=0			TM 4 4 T23		
T12=0		T23=0	T23=1 T2347	T 2 3 = 3	T23=4
T12=1	T12=0				···
T12=3 A9.384 71.900 7A.185 79.690 81,456 3 T12 T13 T= 4 4 4 T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 71.980 78.279 79.732 A1.456 T13=1 78.140 79.006 79.868 T13=2 79.312 80.157 T13=3 4 0 0 T= 4 T22 T23 T22=0 45.092 62.855 A1.895 57.673 A5.283 T22=1 48.781 A5.174 A5.283 A9.514 T22=2 48.781 A5.174 A5.283 A9.514 T22=3 7.673 A6.422 73.995 T22=4 4 T12 0 T= 4 T23 T23=0 T23=1 T23=2 T23=3 T23=4 T12=0 62.855 A1.895 57.673 A6.422 T22=3 7.673 A6.422 T23=3 T23=4 4 T12 0 T= 4 4 T23 T13=0 T23=1 T23=2 T23=3 T23=4 T12=0 A6.422 73.995 76.138 T12=1 A6.229 70.744 74.792 73.595 76.138 T12=1 A6.229 70.744 74.792 73.549 A0.670 T12=2 A9.3A8 71.840 75.921 79.936 A2.054 T12=3 70.99A 73.139 77.259 A1.3A6 A3.600 T12=4 T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 T6.138 A0.670 A2.675 A3.690 A4.987 T13=1 T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 76.138 A0.670 A2.054 A3.690 A4.987 T13=1 A0.156 A1.963 A1.9750 A2.475 A3.690	- <u>-</u> .				
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T= 4 4 4 4 T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 71.980 78.279 79.732 R1.456 T13=1 79.006 79.006 79.688 T13=2 78.140 79.006 79.688 T13=3	T12=3	47 • 3A 4	71.900 74.185	79.690	B1,456
T12=0 T12=0 T12=1 T13=0 T1.980 T8.279 T9.312 T13=1 T13=2 T13=2 T13=3 T23=0 T23=1 T23=0 T23=1 T23=2 T23=0 T23=1 T23=2 T23=0 T23=1 T23=2 T23=3 T23=4 T22=0 T23=1 T23=1 T23=2 T23=3 T23=4 T22=2 T23=3 T23=4 T22=2 T23=3 T23=4 T12=0 T23=1 T23=2 T23=3 T23=4 T23=3 T23=4 T12=0 T23=1 T23=2 T23=3 T23=4 T23=4 T23=3 T23=4 T23=3 T23=4 T23=4 T23=1 T23=2 T23=3 T23=4 T23=3 T23=4 T23=3 T23=4 T23=1 T23=2 T23=3 T23=4 T23=3 T23=4 T23=3 T23=4 T23=4 T23=1 T23=2 T23=3 T23=4 T23=3 T2			3 T12 T13		
T13=0 T13=1 T13=1 T13=1 T13=2 T13=3 T23=0 T23=1 T23=1 T23=0 T23=1 T23=1 T23=2 T23=3 T23=4 T22=0 T23=1 T23=1 T23=2 T23=3 T23=4 T22=2 T23=3 T23=4 T22=2 T23=3 T23=4 T22=4 T23=0 T23=1 T23=1 T23=2 T23=3 T23=4 T23=3 T23=4 T23=3 T23=4 T23=3 T23=4 T23=3 T23=4 T23=3 T23=4 T12=0 T23=1 T23=1 T23=2 T23=3 T23=4 T12=0 T23=1 T23=1 T23=2 T23=3 T23=4 T12=0 T23=1 T23=2 T23=3 T23=4 T13=0 T23=1 T23=2 T23=3 T23=4 T13=0 T23=1 T23=2 T23=3 T23=4 T13=0 T23=1 T23=2 T23=3 T23=4 T23=4 T12=0 T12=1 T13=2 T13=0 T12=1 T13=1 T13=1 T13=1 T13=1 T13=1 T13=2 T13=2 T13=2 T13=3 T12=4 T13=3 T12=4 T13=3 T12=4 T13=1			T= 4 4 4		
T13=1 T13=2 T13=3 T23=0 T23=0 T23=1 T23=0 T23=1 T23=2 T23=3 T23=4 T22=0 T23=1 T23=1 T23=2 T23=3 T23=4 T23=1 T23=3 T23=4 T23=1 T23=3 T23=4 T23=1 T23=3 T23=4 T12=0 T23=1 T23=1 T23=2 T23=3 T23=4 T12=0 T23=1 T23=1		T12=0	T12=1 T12=2	717=3	T12=4
T13=2 T13=3	T13=0	71.980	78,279 79.737	R1,456	
T13=3 4 0 0 T= 4 T22 T23 T23=0 T23=1 T23=2 T23=3 T23=4 T22=0 45.092 62.855 61.885 57.673 65.283 T22=1 48.781 65.175 65.283 69.514 T22=2 57.673 69.514 68.422 T22=4 4 T12 0 T= 4 T23 T23=0 T23=1 T23=2 T23=3 T23=4 T12=0 62.855 65.175 A9.514 73.995 T12=1 68.229 70.744 74.792 73.549 80.670 T12=2 69.368 71.840 75.921 79.936 82.054 T12=3 70.986 73.139 77.259 81.366 82.054 T12=4 72.382 74.400 78.428 82.675 84.987 T12=4 77.382 74.400 78.428 82.675 84.987 T13=0 T12=1 T12=1 T12=2 T12=3 T12=4 T13=0 T6.138 80.670 82.054 83.690 84.987 T13=1 R0.156 81.063 81.950 82.721 T13=2 R1.301 82.177 87.904 T13=3 R0.156 81.301 82.177 87.904 T13=3 R2.456 83.166			• • •		
T23=0 T23=1 T23=2 T23=3 T23=4 T22=0 45.092 62.855 61.885 57.673 65.283 T22=1 48.781 65.174 65.283 69.514 T22=2 57.673 69.514 69.422 T22=3 68.422 73.995 T22=4 4 T12 0 T= 4 4 T23 T23=0 T23=1 T23=2 T23=3 T23=4 T12=0 62.855 65.175 69.514 73.995 76.138 T12=1 68.229 70.744 74.792 73.995 76.138 T12=2 69.368 71.840 75.921 79.936 82.054 T12=3 70.986 73.139 77.259 81.366 82.054 T12=4 77.382 74.400 78.428 82.675 84.987 T12=4 77.382 74.400 78.428 82.675 84.987 T13=6 T12=6 T12=1 T12=2 T12=3 T12=4 T13=0 T6.138 80.670 82.054 93.690 84.987 T13=1 R0.156 81.963 81.950 82.721 T13=2 R0.156 81.963 81.950 82.721 T13=2 R0.156 81.963 81.950 82.721 T13=2 R0.156 81.963 81.950 82.721 T13=3 R0.456 83.166			79.312	. — .	
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76.138 4 712 0 723m0 723m1 723m2 723m3 723m4 712m0 62.855 65.175 A9.514 73.995 76.138 712m1 68.229 70.744 74.792 73.549 A0.670 712m2 A9.3AR 71.840 75.921 79.936 A2.054 712m3 70.98A 73.139 77.259 A1.3AA A3.600 712m4 72.3R2 74.400 78.42R A2.675 A4.987 4 712 713 7m 4 4 4 4 4 712 713 7m 7m <t< th=""><th></th><th></th><th>7/40/1</th><th></th><th></th></t<>			7/40/1		
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T12=1		T23=0	T23=1 T23=2		
T12=2	-		• • • •		
T12=3 70.99A 73.139 77.259 R1.366 R3.600 712=4 72.382 74.400 78.428 R2.675 A4.987	- <u>-</u> -		-		
T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 T6+13A A0+670 A2+054 A3+600 A4+987 T13=1 A0+156 A1+0A3 A1+950 A2+721 T13=2 A1+301 A2+177 A7+904 T13=3 A2+456 A3+166					A 1 . 6 0 D
T= 4 4 4 4 T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 76*13A A0*670 A2*054 A3*600 A4*987 T13=1 A0*156 A1*0A3 A1*950 A2*721 T13=2 A1*3D1 A2*177 A7*904 T13=3 A1*3D1 A2*456 A3*166	T12=4	72.3¤2	74,400 78,428	92.675	A4.9A7
T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 76*13A A0*670 A2*054 A3*690 A4*987 T13=1 A0*156 A1*0A3 A1*950 A2*721 T13=2 A1*3D1 A2*177 A7*904 T13=3 A2*456 A3*166			4 T12 T13		
T13=0 76.13A A0.670 A2.054 A3.600 A4.987 T13=1 A0.156 A1.063 A1.950 A2.721 T13=2 A1.301 A2.177 A7.904 T13=3 A2.456 A3.166			T= 4 4 4		
T13=1 R0.156 R1.063 R1.950 R2.721 T13=2 R1.301 R2.177 R7.904 T13=3 R2.456 R3.166		T12=0	T12=1 T12=2	• •	-
T13=2 A1.301 A2.177 A7.904 T13=3 A2.456 A3.166	T13=0	76.13A			
T13#3 A2,456 A3,16A					-
			81,301		•

EXPECTED INCREASE IN ASSETS: 1000°S OF \$ 1 YEARS AND 3 BID OPPORTUNITIES REMAINING

				_	
		1	0 0		
		T= 4	T22 T23		:
	T23=0	T23=1	T23=2	T23=3	T23=4
T22=0	35,450	54.309	54.588	50.509	57.798
Y22=1	33,450	41.439	55,880	57.798	62.93R
T22=2		114137	50.509	62.938	59.320
T22=3				59.320	44.935
T22=4					66.047
		1	Ť12 0		
		T= 4			
		1 - 7	7 723		
	T23=0	T23=1	T23=2	T23=3	T23=4
T12=0	54.309	58.880	62.938	64.935	66.047
T12=1	67.207	70.741	73.981	75.141	75.689
		1	T12 T13	•	
		T= 4			
		,	4 4	i	
	T12=0	T12=1	T12#2	T 1 2=3	T12=4
T13=0	66.047	75.689			
T13=1		80.766			
		2	0 0		•
		T= 4	T22 T23		
	T23=0	T23=1	T23=2	T23=3	T23=4
T22=0	38.381	56.587	57.293	52.892	60.486
T22=1		43.810	60.933	60.686	65.333
722=2			52.892	65.333	62.814
T22=3				62.814	68.474 69.490
122-7					871790
		2			
		T= 4	4 723		•
					i
	T23=0	T23=1	T23=2	723=3	T23=4
T12=0	54.587	60.933	65.333	68.474	69,490
712=1	69.489	73.464	77.159	79.360	AD.029
T12=2	71.384	75.268	79.008	81,400	A2.068
		2	T12 T13		•
		T= 4	4 4		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	69.490	90.029	82.068	, , , , ,	
713=1	U . T . T W	84.457	86.175		
T13=2			87.072	-	
			• -		

一年 のから 一般の ことにも をおける になってる

EXPECTED INCREASE IN ASSETS, 1000'S OF SILVEARS AND 3 RID OPPORTUNITIES REMAINING

		5 H. O. H. O. H. O. H. J.	The state of the s	•
:		3 0 0	•	
		T# 4 T22 T23		
1	,			"
1 _	T23=0	T23=1 T23=		723m4
T 2 2 = D	43.149	60,289 60.25	4	43.AA3
T ? ? = 1		47.438 63.67		68.440
T22=2		56.14	·	72.048
T22=3 T22=4		•	46.386	73.682
12647	;	•		/ 2 6 6 9 2
		3 712 0		
		Tm 4 4 T23		1
	!	ı		
	T21-0		2 T23=3	723=4
T.1-0	T23=0	! TR3=1 Y23=		73.682
T12=0	60 • 28,9 72 • 144	63.478 68.44 75.495 80.05		#3.6A7
T12=2	73.956	77.429 At.84	_ 1	A5.77A
T12=3	76.536	79.581 84.08		9A.304
-	1	, , , , , , , , , , , , , , , , , , , ,		
		I 3 T12 T13		
ì	!	T= 4 4 4		
	T12=0	T12=1 T12=	.2 T12=3	T12=4
T 1 3 = 0	73.692	93,687 85.77	·	
T13=1	/3,007/	97.47.4 89.30		
T13=2		90.15		
T13=3	, .	,011	92.864	
-	,	_	7,	
;		4 0 0		
	!	T= 4 T22 T23	l	
	T23=0	T23=1 T23=	·2 T23=3	T23=4
T 2 2 = 0	48.041	65,537 65.12		69.509
T2?=1	101011	52.509 68.57		73.037
T22=2		61.24		71.207
T22=3.			71.207	76.A17
T22#4		· ·	ı	78.543
i		4 712 0	;	
	•	4 T1Z 0		ì
•		114 4 4 123		ı
		•	,	
;	T23=0	T23#1 T23#	•2 ° †23=3	723=4
T12=0	45.537	168.575 73.03	32 76.817	78.543
T12=1	75.252	78.487 A2.45		A7.053
T12=2	76.917	A0.115 84.39		A9.179
T12=3	79.247	92.005 86.35		91.580
T12=4	41.441	84,401. R8,61	15 92.514	410141
		4 T12 T13		
!	•	T# 4 4 4	1	
•				.
	T12=0	T12=1 T12:	#2	712=4 94.144
T13=0	78.543	87.053 89.1		
T13=1		89.773 91.65		94.826 95.491
T13=2		92.39	91 94.117 75.084	96.292
T13=3	:	i	, 5 • 00, 4	97.104

EXPECTED INCREASE IN ASSETS, 1000+5 OF 8 1 YEARS AND 4 HID OPPORTUNITIES REMAINING

		1 0 o		
		T= 4 T22 T23		
	T23=0	T23=1 T23=2	723=3	T23=4
T22=0	36.973	55,770 56,200	51.935	57.094
T22=1		43.302 60.704	59.094	64.332
T22=2		51.435	64.332	60.296
T22=3 T22=4			40.296	65.886
1				66.700
		1 T12 0		
		T# 4 4 T23		
	T23=0	T23=1 T23=Z	T23=3	723=4
Y12=0	55.770	60.704 64.332	65.886	64.700
T12=1	70.604	74.351 77.378	78.241	78.524
		1 T12 T13		
		T= 4 4 4		
	T12=0	T12=1 T12=2	T 1 2 = 3	T12=4
T13=0	66.700	78,524		
T13=1		87,395		
		2 0 0		
		T= 4 TZ2 T23		
	T23=0	T23=1 T23=2	T23=3	T23=4
T22=0	39.861	58,105 58,931	54.556	62.082
T22=1		45.724 62.885	62.082	66.971
T22=2 T22=3		54.554	66.971	63.847
722=4.			63,847	69.485 70.319
				70.317
		2 712 0		
		T# 4 4 T23		
	T23=0	T23=1 T23=2	123=3	T23=4
112=0	58 - 105	62.885 66.971	69.485	70.319
712=1 712=2	73.266 75.395	77.481 81.036 79.527 83.194	82.873	83.235
. ,	, - + - 7 -		85.278	85,640
		2 T12 T13		
		T= 4 4 4		
	T12=0	T12=1 T12=2	T12=3	T12=4
T13=0	70.319	83,235 85,640		
7:3=! 7:3-2		91.371 93.860		
713=2		95.307		

EXPECTED INCREASE IN ASSETS, 1000'S OF S 1 YEARS AND 4 RID OPPORTUNITIES REMAINING

		1			•
		3	0 0		
			T22 T23		
	T23=0	T23=1	773=2	T23=3	723=4
T22=0	44.959	41.783	42.260	58.108	A5.648
T22=1		49.445	A5.944	65.648	79.433
T22=2			58.178	70.433	67.817
T22=3				67,917	73.471
T22=4					74,826
		3	T12 n		
		T= 4	4 723		
	T23=0	T23=1	Y23=2	T23=3	T23=4
T12=0	41.9A3	65.944	70.433	73.471	74.826
T12=1	76.089	90.218	84.400	86.416	A7.228
T!2=2	78 • 2 <u>0</u> 4	A2.202	PA.550	я9.137	89.737
T12=3	81 + 265	84.709	A9.200	92.079	02.824
		3	T12 T13		
		T = 4	4 4		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	74.826	A7.228	89.737	92.824	
T 1 3 = 1	•	74,587	97.225	99.652	
T13=2			98.679	101.039	
T13m3				192,,770	
		4	0 0		
		T= 4	T22 T23		
	T23=0	T23=1	T23#?	T23=3	T23=4
T22=0	50.597	67.725	47.R32	A3.947	71.070
T22=1	10 4 3 4 7	55.588	71.527	71.070	75.807
122=2			A3.947	75.807	73.284
T22=3				73,284	78.AA4
722=4					AG.382
		4	T12 B		
			4 T23		
	T 23 m C	T23=1	T23=2	T23=3	T23=4
T12#0	67.725	71,527	75.807	78.894	80.382
T12×1	AU . 012	A3.768	87.944	90.484	91.307
T12=2	82.049	A5.773	90.053	93,128	93,955
T12#3	84.897	P8.14D	97.646	95,967	96.983
T12=4	18.541	91.557	95.870	99.402	100.546
		4	T12 T13		
		T == 4	4 4		
	T12=0	T12=1	TÎ2=2	T12=3	T12=4
T13=0	80.392	91.307	93.955	96.983	100.546
713ml		97.424	100.109	102.538	194.727
113m2			101.414	103,847	195,991
T13m3				105.424	107.458
T13#4					164.441

EXPECTED INCREASE IN ASSETS, 1000'S OF S 1 YEARS AND 5 BID OPPORTUNITIES REMAINING

					-
		1 0	0		
		T= 4 T22	T23		
	T23=0	T23=1	T23=2	T 2 3 = 3	723=4
T22=0	38.332		57.482	52.731	59.987
T22=1			62,168	59.987	65.304
122=2			52.931	65.304	60.939
T22=3 T22=4				40,939	66.513
124-7					47.130
		1 712	C		
		Tw 4 4	T23		
	T23=0	T23=1	T23=2	T 2 3 = 3	T23=4
T12=0	57.086	62.168	65.304	66.513	67.130
T12=1	73.344	77.131	74,789	BQ.443	80.598
		1 T12	T13		
		T= 4 4			
	T12=0	T12=1	T12=2	T 1 2 = 3	T12=4
113=0	67.130	80.598	(12-2	112-3	,12=-
T13=1	4,1130	92,237			
		-	_		
		2 0 T= 4 T22	_		
		T= 4 T22	T 2 3		
	T23=0	T23=1	T23=2	T 2 3 = 3	723=4
T22=0	41.189		60,298	55.773	63.106
122=1 122=2			64.511	63,106	68.168
T22=3			55.773	68.168 64.542	54.542 70.194
T22=4				04.54.6	70.957
		2 712	0		
		7	T23		
	T23=0	T23=1	T23=2	T23=3	T23=4
T12=0	59.463	64.511	68,168	70.194	70.957
T12#1	76.343		33.951	85.303	85,489
T12=2	78.526	82,869	86.240	87.906	88,113
		2 712	T13		
		T= 4 4	4		
	T12=0	T12=1	T12=2	T12=3	T12=4
Y13=0	70.957		38.113	- -	. -
T13=1			79.483		
T13=2		10	21.351		

EXPECTED INCREASE IN ASSETS, 1000°S OF S I YEARS AND S RID OPPORTUNITIES REMAINING

		3	0 0		
			T22 T23		
	123=0	T23=1	T23=2	T23=3	123=4
122=B	46.608	43.586	44.019	59.628	67.015
T22=1		51.513	67.934	47.015	71.974
T22=2 T22=3			59.628	71.974 68.918	68.918 74.566
T22=4				000.10	75.771
			•••		
		3 7≈ 4	112 0 4 123		
		'- 7	7 123		
	723aD	T23=1	123=2	T 2 3 = 3	T23=4
112=C	63.5R6	67.934	71.974	74.566	75.771
712=1	79.499	83.906	87.796	89.509	87.871
712=2	R1.660	85.988	90.075	92.183	97.542
T12=3	644846	PR.697	93,083	95.452	95.917
		3	T12 T13		
		T= 4	4 4		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	75.771	89.871	92.542	95.919	
113=1		99.872	103.057	105.796	
T13=2 T13=3		•	164.904	107.856 110.197	
1,500					
		4	0 0		
		T= 4	T22 T23		
	T23=0	T 23 = 1	*23=2	T23=3	T23=4
T22=0	52.811	69.722	70.152	66.014	73.106
T22=1 T22=2		58.127	74.673 64.014	73.106 77.972	77.972 75.025
T22=3			W. V.	75.075	89.613
T22=4					61.694
		4	TIZ C		
		T= 4	4 T23		
	T23±0	T73=1	T23=Z	T 2 3 = 3	T23=4
T 1 2 = 0	69.722	74.073	77.972	80.613	A1.894
712=1	83.996	88,139	92.127	94.008 96.874	94.605
T12=2 T12=3	86•140 89•106	90.292 92.844	94,455 97.326	100.083	100.752
112=4	93.344	96.774	101-147	104,263	105.077
		4	T12 T13		
		T= 4	4 4		
	T12=0	Tî2=1	712=2	712=3	T12=4
T13=0	81.894	94,605		100.752	195.077
T 1 3 = 1	- -	103.255		109.475	112.399
T13=2			108.340	111,306	114.227
T 1 3 = 3				113.510	116.331
T13#4					118.696

EXPECTED INCREASE IN ASSETS, 1000+5 OF \$ 1 YEARS AND 6 RID OPPORTUNITIES REMAINING

				. id Public to a to a	
		1			
		Y= 4	T22 T23		
	T23#0	T23=1	T23=2	T23=3	T23=4
T22=0	39.556	58.273		53.625	60.609
T22=1		45.994		60.609	65.982
T22=2 T22=3			53.625	65.982	61.372
Y22=4				61.372	64.928
			_		ידרפים
			• - •		
		¥= 4	4 723		
	T23=0	T23=1	T23=Z	723=3	T23=4
T12=0	58.273	63.342	65.982	66,928	67.444
T 1 2 = 1	75.694	79.379		82.169	82.249
		1	T12 T13		
		T= 4	4 4		
		•	, ,		
~	T12=0	712=1	T12=2	T 1 2 = 3	T12=4
713=0 713=1	67.444	82.249 95.851			
,,,,,,		75,051			
		2	0 0		
		T= 4	T22 T23		
	T-23±0	T23=1	T23=2	T23=3	T23=4
T22=0	42.430	60,727	61.436	56.662	63.856
T22=1		48,652	65.863	63,856	69.041
T22=2 T22=3			56.662	69.041	65.107
T22=4				65.107	70.767
		2	T12 0		
		T= 4	4 T23		
	T23=0	723=1	T23=2	T?3=3	T23=4
T12=0	60.727	65,863	69.041	70.767	71.474
712=1 712=2	79.099	83,434	86,232	87.101	87.197
11282	81.343	95.688	88.660	89.851	89.959
		2	T12 T13		
		T= 4	4 4		
	T12=0	712=1	T12=2	T12=3	T12=4
T13=0	71.474	87,197	89.959	- - -	
713m1		100,166	103.671		
T13=2			105.809		

EXPECTED INCREASE IN ASSETS, 1000°S OF S 1 YEARS AND 6 MID OPPORTUNITIES REMAINING

		3	0 0		
			2 723		
	T 2.3±0	T 23=1	T23=2	₹23 =3	T23=4
T22=0	48.108	45.101	65,553	60.898	68.194
T27=1		53.095	69.672	68.194	73,221
T22#2			40.49R	73.271 69.892	69,892 75.529
T22=3 T22=4				674072	76.643
		3 71	2 0		
		7	4 173		
					*** A
	T23±0	T 23 = 1	T23=2	T23=3	T 2 3 = 4
T12=0	45 - 101	69.672	73.221	75.529 91.732	76.643 91.980
T12=1	72.647 44.860	87.137 89.328	90.543 92.967	94.498	94.711
712=2 712=3	AA.149	92.272	96.264	78.103	98.388
		3 11	2 T13		
		T = 4	4 4		
	T12=0	T 2=1	T12#2	T ! 2 = 3	112=4
T 1 3=0	76.643	91.980	94.711	98.388	
T:3=1	7 4 4 47 - 17	193,807	107.379	110.762	
T13=2			109.529	112,929	
T13=3				115.697	
		4	0 0		
		T= 4 T;	72 773		
	T23=0	T23#1	723=2	T 2 3 = 3	T23=4
T22=0	54.736	71.543	72.129	67.728	74.805
T 2 2 = 1		60.219	76.257	74.805 79.770	79.770 74.456
T22=2			67.72R	76.456	A2.033
T22=3 T22=4				, 00	A3.124
		4 T	12 0		
		T == 4	4 723		
				v a 3 = 3	T23=4
	T23=0	T23=1	12342	723=3	
112#0 112#1	71.543 87.510	76,257 91,948	79.770 95.530	A2.033 76.925	93.124 97.347
T12=2	A9.777	94,272	98.085	99,978	100.316
T) 2=3	92.907	97,059	101.268	103.394	101.894
T12=4	97.417	101,285	105.577	108.045	108.609
		4 7	12 T13		
		₹= 4	4 4		
	T12=0	Ti2=1	112=2	Y 1 2 = 3	T12=4
T13=0	A3.124	97,347	100.316	103,894	108.609
713=1		107.758	111.375	114.737	117.344
T13=2			113.544	116.946	127.591
T13=3 T13=4				1 (7 # 17 / 4	126,300
· 1 3 = 1					

EXPECTED INCREASE IN ASSETS, 1000'S OF S 1 YEARS AND 7 BID OPPORTUNITIES REMAINING

					•
		1	0 0		
		T= 4	T22 T23		
	T23=0	T23=1	T23=2	T23=3	T23=4
T22=0	40.659	59.342	59.334	54.109	61.044
T22+1		46.955	64,283	61.044	46.454
T22=2			54.109	66.454	61.702
Y22=3				61.702	67.244
T22=4					67.705
			• • •		
			T12 0		
		T= 4	4 723		
	T23=0	T23=1	T23=2	T23=3	123=4
T12=0	59.342	· -			
T12=1	77.723	64,283 81,228	66,454	67.244	67.705
	7,4,23	01,220	83.180	83.573	83.623
		i	T12 T13		
		T= 4	4 4		
	T12=0	T12=1	T12=2	712=3	712=4
T13=0	67.705	83.623	•	. •	
T13=1		98.713			
		2	0 0		
			T22 T23		
	T23=0	T23=1	T23=2	T23=3	T23#4
722=0	43.589	61.904	624383	57.313	64.449
T22=1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	49.758	66.986	64.449	69.706
T22=2			57.313	69.706	65.591
T22=3			3. 43.4	65.591	71.237
T22=4					71.931
		2	T12 0		
		T= 4	4 723		
	T23=0	T23=1	Y23=2	T > 3 = 3	Y23=4
T12=0	61.904	46.786	69,706	71.237	71.931
T12=1	81.565	85.710	88.038	88.570	88.630
Y12=2	83.884	48.085	90.614	91.364	91.419
		2 '	T12 T13		
		T= 4	4 4		
	T12=0	T12=1		712-3	7 . 9 _ 4
T13=0	71.931	-	T12=2	T 2=3	T12=4
713=1	/10731	88.630 103.105	91.419		
713=2			106.928		
			1070273		

EXPECTED INCREASE IN ASSETS, 1000'S OF S 1 YEARS AND 7 MID OPPORTUNITIES REMAINING

	. 11 -113 -140	, 44.67			•
		3	o i		
			T22 T23		
	T23=0	T23=1	T?3=2	T 2 3 = 3	123=4
T22=0	49.474	66.527	AA.RAA	61,993	49.214
T22=1		54,479	71.195	69.216	74.296
T22=2			41.993	74.296	70.788
T22=3				70.788	76.416
T 2 2 = 4					77.445
		3	T12 0		
		T= 4	4 T23		
			4 17.3		
	T23=0	T23=1	*?3#2	T 7 3 = 3	723=4
T12=0	46.527	71.185	74.796	76.416	77.445
T12=1	85.527	A9.952	97.760	93.438	93.831
T12=2	A7.817	92.268	95.340	96.436	95.604
T12=3	91.243	95,478	98. 9 48	100.246	100.448
		_			
		3	T12 T13		
		T= 4	4 4		
	T12=0	T12=1	Y12=2	T 1 2 = 3	T12=4
				100.449	
T13=0	77.445	93.931	96.604 110.887	114.545	
713=1 713=2		197.042	113.194	116.P58	
T13=3			113017	119.957	
. 1 2 = 3				• • • • • • • • • • • • • • • • • • • •	
		4	0 O		
		T= 4	T22 T23		
				****	T23=4
	T23=0	T*3=1	723×2	773=3	
T22=0	=	73,207	73.AGA	49.157	76.20A 81.260
Y22=1		61.942	78.120 69.157	76.206 81.260	77.624
122=2			67.127	77.624	A3.192
T22=3				77.	A4.124
122-7					
		4	T12 0		
		T == 4	4 T23		
	703-0	****	****	T 2 3 = 3	T23=4
	T23=0	T23=1	T23=2	-	84.124
T12=0		78.120	A1.240	83.192 99.382	99.703
712=1		95.744	98,294	102.511	102.809
T12=2		97,759 100,429	191.065 194.585	106.224	166.625
T12=4		105.413	100.408	111.294	111.735
11247	1,711134	*03* (13			• • • • •
		4	TIZ TIS		
		T= 4	4 4		
		<u>.</u>	_ :		7 . 2 . 4
 -	T12=0	T12=1	T12=2	712-3	712=4
T 1 3 = 0		99.703	102.809	106,625	111.735
713w1		111.555	115.314	118.934	123.034
T13=2			117.704	121.351	125.591
T13=3				124.339	128.562
T 1 3 = 4	ħ.				132.297

EXPECTED INCREASE IN ASSETS, 1000+5 OF 5 1 YEARS AND 8 BID OPPORTUNITIES REHAINING

		1	0 0		
		_	722 T23		
	T23=0	T23=1	T23=2	T23=3	T23#4
T22=0	41.653	40,305	59.995	54.481	61.366
T22=1		47.726	65,038	61,366	66.784
T22+2			54.481	66.784	61.955
T22=3 T22=4				61.955	67.498 67.921
					0.0.4.
			712 0		
		T= 4	4 723		
	T23=0	T23=1	T23=2	T23=3	T23=4
T12=0	60.305	65.038	66.784	67.498	67.921
T12=1	79.488	82.773	84,438	84.747	84.778
		1 .	T12 T13		
		T# 4	4 4		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	67.921	84.778			
T13=1		101.049			
		2	0 0		
		T= 4 '	722 T23		
	T23=0	T23=1	T23=2	T23=3	T23=4
T22=0	44.669	63,001	63,170	57.893	64.988
722=1 722=2		50.677	67,918	64.988	70.264 66.039
T22=2			57.893	70,264 66,039	71.671
T22=4					72,333
		2	T12 0		
		T= 4	4 723		
	T23=0	T23=1	T23=2	T23=3	T23=4
712×0	63.001	67.918	70.264	71.671	72.333
T12=1	83.771	87,627	89.488	89.816	89.853
T12=2	86.183	90.137	92,216	92,678	92.713
		2	T12 T13		
		T= 4	4 4		
	T12=0	T12=1	11242	T12=3	T12=4
T13=0	72.333	89,853	92.713		
713=1		105.503	104.607		
T13=2			112.054		

EXPECTED INCREASE IN ASSETS: 1000+5 OF \$ 1 YEARS AND 8 BID OPPORTUNITIES REMAINING

		3 T= 4	0 n 122 T23		
	T23m0				
T22=0	50.717	173=1 47,869	T23=2	773=3	T23=4
122=1		55.686	68.039 72.497	42.974 70.156	70.156
T22=2.			62.974	75.272	75.272 71.609
T27=3				71.409	77.22A
T 2 2 = 4					78.178
		3	T12 0		
		T= 4	4 723		
	T23=0	T23#1	T23=2	T23=3	T23=4
T12=0	67.849	72.497	75,272	77.228	78.178
T12=1 T12=2	88.145	92.396	94.641	95.355	75.504
T12=3	90.546 94.140	94,850 98.353	97.335	98.205	99.335
•	, , , , , ,	*******	101.729	102.720	102.386
		3	T12 T13		
		T= 4	4 4		
	T12=0	Ti 2=1	712-2		3.4 4
T13=0	78 . 17A	75.504	712=2 90.335	717=3	T12=4
T13=1		109.778	113.799	102.386	
T13=2		, , ,	114.245	120.238	
T 3 = 3				123.542	
		4	O n		
	•		722 TZ3		
	T23=0	T23=1	T 2 3 - 2		"
T22=0	57.903	74.727	723=2	723=3	T23=4
T22=1		63.360	75.22A 79.703	70.336 77.355	77.355
T22=2			70.336	P2.483	#2.483 79.579
T22=3 T22=4				78.579	A4.137
12647					£80.4A
		4 T	12 U		
		T== 4	4 Y23		
	T23=0	T23=1	T23=2	T23=3	†23=4
T12=0 T12=1	74.727	79.703	P2.483	84.137	84.983
T12=2	73.510 96.061	7A.0A3	100.640	101,514	151.757
T12=3	99.54A	100.803 104.195	103.606	104.759	104.995
T12=4	104.593	109.155	107.403 112.692	108.75D 114.147	109.069 114.521
					114.271
			12 713		
		T= 4	4		
T 4 9 A	712=0	T j 2= 1	Tī2=2	T17=3	T12=4
713=0	84.983	101.757	104.985	109.069	114.521
113=1 113=2		114,849	118.790	122,5A0	127.028
113=2			121.331	125.136	129.75A
713=4				128,328	137.960
•					137.169

EXPECTED INCREASE IN ASSETS, 1000°S OF \$ 1 YEARS AND 9 BID OPPOPTUNITIES REMAINING

		- · · · · · · · · · · · · · · · · · · ·	,	
		1 0 0		
		T= 4 T22 T23		
		, , , , , , , , , , , , , , , , , , , ,		
	T23≡0	T23=1 T23=	■2 7 73 = 3	T23=4
T 22=0	42.548	61.172 60.53	25 54.779	61.625
T22=1		48.344 65.64		67.044
T22m2		54.77		62,167
T22=3			62,167	47.717
T 2.2=4				68.101
		1 T12 0		
		T= 4 4 T23		
		7- 4 1 723		
	T23=0	T23=1 T23	=2 T23=3	T23=4
T12=0	61.172	65.643 67.04		68.101
T 1 2 = 1	81.033	84.081 85.51	10 85.730	A5.750
		1 712 713		
		T= 4 4 4		
		1= 4 7 4		
	T12=0	T12=1 T12	2 712=3	T12=4
T:3=0	68.101	85.750		
T13=1		102.992		
		2 0 0		
		T= 4 T22 T23		
	T23=0	T23=1 T23:	=2 T23=3	T23=4
T22=0	45.676	64.020 63.8		65.485
722=1	4.54070	51.440 68.69		70.779
T22=2		₹ 8.4	- ·	66.451
T22=3		• .	66.451	72.069
T22=4				72.687
		2 712 0		
		T= 4 4 T23		
	T23=0	T23=1 T23	=2 723=3	T23=4
T12=0	64.020	68.690 70.7	79 72.069	72.687
T12=1	A5.743	89,249 90.6		90.894
T12=2	88.267	91,905 93.5	54 93,839	93.861
		2 712 712		
		2 T12 T13		
		T= 4 4 4		
	T12=0	T12=1 T12	=2 T12=3	T12=4
T13=0	72.687	90.294 93.8		
T13=!		107.591 111.9		
T13=2	•	114.4		
-		-		

EXPECTED INCREASE IN ASSETS. 1000*5 OF \$ 1 YEARS AND 9 RID OPPORTUNITIES REMAINING

		3 0 0 T= 4 T22 T23		
		,		722-4
	T 2 3 = D	T23=1 T23=2	773 =3	723=4 71.017
T22=0	51.850	49.129 69.035 56.733 73.630	63.875 71.017	76.166
122=1 122=2		63.875	76.166	72.360
T22=3			72.360	77.970 78.849
T22=4				/c.e.a./
		3 T12 0		
		T= 4 4 T23		
			93	T 2 2 m ii
	T 23=0	T23=1 T23=2	T23#3	T2324
T12=0	69.120	73,630 76,166 94,514 96,344	77.970 96.888	78.849 97.003
712=1 712=2	90.571 93.060	94.514 96.344 97.117 99.127	99.910	99,910
112=3	96.852	100,929 103,263	104.064	104.199
		3 T12 T13		
		T= 4 4 4		
	T12=0	T12=1 T12=2	T12=3	T12=4
T13=0	78.849	97.003 99.910	104.199	
713=1	, , , , , ,	112.168 116.382	120.607	
713=2		118.920	123.169	
T13=3			128,070	
		4 0 0		
		T= 4 T22 T23		
	T23=0	T23=1 T23=2	T23=3	T23=4
122=C	59.212	76.116 76.427	71.311	78,299
722=1		64,529 81,043 71,311	78.299 83.484	#3.484 79.395
722≡2 722=3		714371	79.395	84.954
T22=4				A5.724
		4 T12 0		
		T= 4 4 T23		
	T23=0	723=1	T23=3	T23=4
112=0	76.116	81,043 83,484	84.954	R5.724
T12=1	96.095	100,522 107.668	103,360	103.544
T12=2	98.625	103,454 105,812	106.716	196.887 111.266
T12=3 T12=4	162.535 167.762	107,194 109,912 112,521 115,528	116.747	117.058
1120	10,4,4			
		4 T12 T13		
				* · * - 4
	T12=0	712=1 T12=2	712=3 111.266	117.05A
T13=0	A5.724	103,544 106,887	125.855	130.615
113=1 113=2		117,712 121,818 124,518	128.548	133,462
T13=2		16.4917	131.945	136.827
713-4				141.368

EXPECTED INCREASE IN ASSETS, 1000+5 OF 5 1 YEARS AND ID BID OPPORTUNITIES REMAINING

		1	0 O		
		-	T22 T23		•
	T23#D	T23#1	T23=2	T 23=3	123=4
T22=0	43.355	61.954	60.950	55.019	61.832
122=1		48.840	66.129	61.832	67.252
T22#2			55.019	67.252	62.351
T22=3 T22=4				62.351	67,906 68,250
122-7					80.4230
	•	1	T12 0		:
		T= 4	4 T23		
	T23=0	T23=1	T23=2	T23=3	723m4
T12=0	61.954	66.179	67.257	67.906	60.250
T12=1	A2.391	85.214	86,424	86.575	86.589
			T12 T13		
		1			
		T	4 4		
	T12=0	T:2=1	T12=2	T12=3	T12=4
T13=0	68.250	86.589			
T13=1		104.634			
		2	0 0		
			T22 T23		
		,	122 123		
	723=0	T23=1	T23=2	T23≠3	T23=4
T22=0	46.612	64.967	64,496	58.921	65.940
T22=1		52.083	69.330	65.940	71.251
122=2 122=3			58.921	71.251	66.829 72.435
122=3				66.829	73.005
			T12 0		
		T ■ 4	4 T23		
	T23=0	T23=1	T23=2	T 2 3 = 3	723=4
T12=0	64.967	69.330	71,251	72.435	73.005
T 1 2 = 1	87.507	90.627	91.655	91.804	91.820
T 1 2 = 2	90 - 161	93.439	94,694	94.869	94.863
		2	T12 T13	•	:
		T= 4	4 4		
		. ,			
	T12=0	¥12=1	Y12=2	T12=3	T12=4
T13=0	73.005	91.820	94.883		
713=1		109.400	113,962		1
T13=2			116,598		

EXPECTED INCREASE IN ASSETS: 1000'S OF S 1 YEARS AND 10 BID OPPORTUNITIES REMAINING

			,	
		3 0 0	•	
1		T= 4 T22 T23		:
'	T 2 3 = 0	723=1 T23=2	T23#3 T23#4	ŀ
T 2 2 = 0	52.897	70.311 69.955	64.701 71.806	,
122=1,	1	57.687 74.618	71.806 76.984	į
122=2 122=3		64.701	76,984 73.046	
122=3			73.046 78.648	
		. 1	79.461	
		3 T12 O		
1	1 .	T# 4 4 T23	•	
	1	•		
	T23=0	1723=1 T23=2	123=3 T23=4	
T12=D	70.311	74.618 76.984		
T12=1	92.760	96,347 97.826	78.648 79.461 98.281 98.377	
T12=2	95.376	99.107 100.728	101.281 101.365	
T12=3	99.385	103.238 105.131	105.778 105.887	
j		, 7 13 - 1-	•	
		3 T12 T13	· : : !	
	1	T= 4 4 4	•	
	T 1.2=0	' Ti2=1 Ti2=2	T12=3 T12=4	
T13=0	79.461	98.377 101.365	105.887	
T13=1		1114.366- IIA.716	123,193	•
T13=2		121.329	125.834	
713m3	:		129.520	
		4 '0 0		
:	, ,	T# 4 T22 T23	1	
	T23±0	T23=1 T23=2	T23#3 T23#4	
122=D	60.375	77.387 77.436	72.130 79.099	
122#1 122#2	:	65.492 82.175	79.099 64.321	
T22=3		72.130	84.321 AD.104	
122×4			80.104 85.663 86.365	
	1	:		
1	1	4 T12 D	1	
	•	T= 4 4 T23		
	!	:		
,	T23=0	T23=1 T23=2	723#3 T23#4	
T12=0	77.387	A2.175 84.321	85.663 A6.365	
T12=1	78.428	102.617 104.413	104.957 105.094	
T12=2	101.357	105.760 107.722	108,472 108,551	
T12=3	105.321	109.862 112,14A	113.043 113.245	
11247	110.730	115.532 11F.0A3	11,9.097 119.353	
•	•	4 T12 T13		
	I	T= 4 4 4		
	T.			
	712m0	T12=1 T12=2	T12=3 T12=4	
T13%0	86.365		113,245 119,353	
713#1		120,277 124,533	128,782 133,875	
713=2 713=3	ı	127.376	131.612 136.858	
713=4	;		135,226 14D,40R	
1	•		145.148	

EXPECTED INCREASE IN ASSETS: 1000'S OF \$ 1 YEARS AND 11 BID OPPORTUNITIES REMAINING

				_	
		1	0 0		
		T= 4	T22 T23		
	T23=0	T23=1	773=2	T 2 3 = 3	T23=4
Y22=0	44.082	62,658	61.291	55.213	42.006
T22=1		49.237	66.519	62.006	67.432
T22=2			55.213	47.432	42.509 60.068
T22=3 T22=4				62.509	6R.373
1 6 6 7 1					
		1	T12 0		
		7= 4	4 T23		
	T23=0	T23=1	723=2	723=3	T23=4
T12=0	62.658	46.519	67.432	880.88	68.373
T12#1	83.591	86.198	87.206	A7.311	87.321
		1	T:2 T:3		
		T= 4	4 4		
	T12=0	T12=1	T17=2	T12=3	T12=4
T13=0	48.373	87.321			
T13=1		106.060			
		2	0 0		
		T= 4	T22 T23		
	T23=0	723=1	723=2	723=3	T23=4
T22=0	47.482	65.847	64.947	59.372	66.358
Y 22=1		57.679	69.915	46.358	71.683
T22=2 T22=3			59.372	71.693 67.176	67,176 72,772
T22=4				a/ • 1 / 0	73.296
		2	T12 0		
		T= 4	4 T23		
	T23=0	T23=1	T23=2	T 23=3	T23=4
T12=0	65.847	69,915	71.683	72.772	73,296
T12=1	89.085	91,803	92.555	92.663	92.675
T12=2	91.883	94,775	95.679	95.804	95,814
		2	T12 T13		
		T= 4	4 4		
	T12=0	T12#1	T12=2	712=3	T12=4
T13=0	73.296	92,675	95.814		
T13=1		110.969	•		
T13=2			118,545		

EXPECTED INCREASE IN ASSETS, 100015 OF S 1 YEARS AND 11 BID OPPORTUNITIES REMAINING

				_	
		3	O O		
			T22 T23		
		•	, , _ ,		
	723m0	T23=1	T23=2	T23=3	T23=4
T22=0	53.684	71.417		55.457	72.526
T22=1	334001	58.571	70,805		
T22=2		2012/1	75.532	72.526	77.731
-			65,457	77.731	73,673
722=3				73.673	79.267
T22=4					80.018
		•	712 0		
			T12 0		
		Y= 4	4 T23		
	T23=0	703-1	***	701-1	722-4
		T23=1	T23=2	T 2 3 = 3	T23=4
T12=0	71.417	75,532	77.731	79.257	80.019
$T_12=1$	94.748	97.933	99.187	99.570	99,650
T12=2	97.5ņS	100.854	102.195	102,660	102.730
T12=3	101.749	195.307	106.842	107.389	107,485
		3	T12 T13		
		T m 4	4 4		
			_		
	T12=0	T12=1	Y 1 2 = 2	T!2=3	T12=4
T13=0	80.01R	99.650	102.730	107.485	
T13=1		116,368	120.895	125.567	
T13=2			123.401	128.289	
T13=3				132,168	
• • •				. 52, 1.04	
		4	O O		
			T22 T23		
		,			
	123=0	T21=1	T23=2	T 23 = 3	T23=4
T22=0	61.411	78.549	78.287	72.849	79.796
T22=1		46.307	83.129	79.796	85.050
T22=2		0000007	72.849	95.050	
T22=3			72.077	-	80.721
T22=4				AD.721	86,280
12247					86.927
		4	T12 0		
		T= 4	4 T23		
	T 23=0	T23=1	T23=2	T 23 = 3	T23=4
#15-A					
T12=0	78.547	83,129	85.050	96,280	86,922
T12#1	100.530	104.418	105,915	106,369	485
T12=2	103.673	107.767	109.376	109.917	110.014
T12=3	107.912	112,233	114.145	114.874	115.035
T12=4	113.498	118.210	120.371	121.208	121,417
		**	7.3		
		4	T12 T13		
		T= 4	4 4		
		"	_ • •		
	T12=0	T 12=1	712=2	712=3	Y12=4
T13=0	86.922	106.485	110.014	115,035	121.417
T13=1		172.562	126.994	131,476	136.818
r13=2			129.987	134.433	139.949
713=3				138.223	143.710
T13=4					148.685
-					

EXPECTED INCREASE IN ASSETS, 1000'S OF S ANNUAL SUMMARY, 1 YEARS REMAINING

			* * * * * * * * * * * * * * * * * * * *		
		1	0 0		
		T= 4 T	22 T23		
	T23=0	T23=1	T23=2	T 2 3 = 3	T23=4
T22=0	39.626	58.142	58,153	53.153	60,057
122=1	3	45.801	62.970	60.057	65.371
T22=2			53,153	65.371	60.819
T22=3				60.819	66.321
T22=4					44.843
		1 7	12 -0		
		T= 4	4 T23		
	T?3=0	T23=1	Y23=2	γ 23≡3	T23=4
T12=0	58.142	62.970	65.371	66.321	66.843
T12=1	75.691	79.165	81.287	A1.763	81.860
		1 1	12 713		
		T= 4	4 4		
	7.0-0	¥ . 2	7.5-3	T12=3	T12=4
3.3.5	T12=0	T12=1	T12=2	112-5	,,,,,,
T13=0 T13=1	66.843	81.960 95.638			
113-1		754036			
		2	0 0		
		Ÿ = 4 1	122 123		
	723=0	T23=1	T23=2	T 2 3 = 3	T23=4
T22=0	42.544	60.663	61.130	56.260	63.401
T22=1		48.524	65.566	63.401	68.520
122=2			56,260	68,520 64,640	64.640 70.227
T22=3 T22=4				914010	70.931
		2	T12 0		
		T= 4	4 723		
				1-1	T23=4
	T23=0	T23=1	T23=2	T 23 = 3	
112=0	60.663	65.566	68.520 05.048	70.227 86.457	70.931 26.776
T12=1 T12=2	79:322 81:600	85.673	85,849 88,337	89.367	89.491
114-2		•		• • •	
			T12 T13		
		T= 4	4 4		
	T12=0	T12=1	T12=2	T 1 2 = 3	T12=4
713=0	70.931	86.776	89.491		
713=1		99.927	103.471		
113=2			105.596		

EXPECTED INCREASE IN ASSETS. 1000°S OF S ANNUAL SUMMARY, I YEARS REMAINING

		3 4 0		
		T= 4 T22 T23		
	723=0	T23=1 T23=2	T23=3	T23=4
T22=0	48.222	65.129 65.402	60.708	67.922
T22=1		53.088 69.549	67.922	72.898
T 2 2 = 2		60.708	72.898	69.581
T22=3			69.581	75.157 76.231
T 2 2 = 4				, , , , , , ,
		3 T12 0		
		T= 4 4 T23		
			***	T23=4
	T23=0	T23=1 T23=2	Y 2.3 = 3	-
712=0	45.129	69,549 72.898 87,330 90,344	75.157 91.497	76,231 91,766
T12=1 T12=2	83.090 85.340	49.581 92.8MB	94.227	94.476
T12=3	88.695	92,671 96.233	97.858	98.173
		3 TIZ T13		
		Tm 4 4 4		
			- ·	* 4 5 4
	112=0	T12=1 T12=2	T12=3	712=4
T13=0	76.231	91.766 94.476	98.173 110.745	
T13=1 T13=2		103.740 107.318 109.435	112.869	
T13=3		.0.4.00	115.670	
•				
		4 0 0		
		T= 4 T22 T23		
	T 23=0	T23=1 T23=2	T 2 3 = 3	T23=4
T22=0	54.844	71.558 71.992	67.506	74.495
122=1		60.153 76.154	74.495 79.439	79.437 76.053
T22=2 T22=3		67.506	76.053	81.572
T22=4				87.616
•		4 T12 0		
		T= 4 4 T23		
		- , · · · · · · · · · · · · · · · · · ·		
	T23=0	T23=1 T23=2	773=3	T23=4
T12=0	71.558	76.154 79.439	81.572	82.616
T12=1	87.946	92.248 95.447	96.805	97.225
T12=2	90.277	94,668 98.078	99.820	100.214
T12=3	93.486	97,626 101,403	103.381 108.112	103.889
T)2=4	98.036	101.997 105.894	1904114	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		4 T12 T13		
		T= 4 4 4		
	T12=0	T:2=1 T12=2	T12=3	T12=4
T 3 = 0	A2.616	97.225 100.214	103.889	108.695
T13=1		107.948 111.502	114.861	118.547
T13=2		113.661	117.040	120.808
T 1 3 = 3			119.775	123,440 126,710
T 1 3 = 4				1200/10

EXPECTED INCREASE IN ASSETS: 1000'S OF \$ 2 YEARS AND 0 RID OPPORTUNITIES REMAINING

				•		•
		ı	1 0	0		
			4 0	0		
		4	4 T32	733		
	732 ≈ 0	T32=1	l	T32=2	T32=3	T32=4
T33=0	78.304	126.710		6.710	126.710	128.796
T33+1		82.510	12	6.710	126.710	128.796
T33=2 T33=3			Ą	5.517	126.710	128.796
733=4					87.373	128.796
						רויט⊕יים
		_ 1		0		
		T= 4		0		
		4	• •	T33		
	T33m(T33=1		T33=2	T33=3	T33=4
T22=!	97.020	100.725		3.314	104,323	104.590
Y22=2 Y22=3	100.083 102.875	103.880		6.700	108.027	108.310
T22=4	106.349	106.512		9.570 3.003	111.048	111.396
				3 . U U3	114.012	114.997
		_ 1		0		
		T= 4 4		0		
		7	7	T33		
_	T33=0	T33=1	•	733=2	733=3	T33=4
T12=0	106.349	109,873		3,003	114.613	114.997
T [2 = 1	98.036	101.997	101	5.894	108.112	108.695
		1	0	n		
		T= 4	T22 '			
		4	4	4		
	T23=0	T23=1	1	123=2	723=3	T23=4
T22=0	RR.044	114.997		0.665	119.222	122.740
T22=1		113.241		3.931	122.740	126.432
T22=2				.222	126.432	124.583
T22=3 T22=4					124,583	12A.3A4
						130,599
		1	T12	0		
		T# 4		23		
		4	4	4		
	723=D	T23=1	7	23=2	773=3	T23=4
T 1 2=0	114.997	123.931	126	.432	128.384	130.599
T12m1	108.695	118.547	120	.808	123.446	126.710
		1	T12 T			
		T# 4	4	4		
		4	4	4		
	T12=0	T12=1	_		.	• . • . •
713=0	130.599	126.710	ī	12=2	T 1 2 = 3	T12=4
7 3 u	********	126.710				
		0 . 10				

EXPECTED INCREASE IN ASSETS, 100015 OF \$ 2 YEARS AND O RID OPPOPTUNITIES REMAINING

		2	o o		
		T= 4	0 0		
		4	T32 T33		
	T32=0	T 3 2 = 1	T32=2	T 3 2 = 3	T32=4
T33=0	78.433	126.710	120.808	123,440	126.710
T33=1		82.989	120,6-8	123.440	126.710
T33=2 T33=3			PA.127	88.050	124.710
T33=4					88.828
-		•			
		2 T= 4	0 D		
		4	4 T33		
	T 0 3 = 0	7.1-1	T33=2	733=3	T33=4
	T33=0	733=1		105,040	105.341
T22=1 T22=2	97.159 100.148	101.145	103.937	108.697	107.010
T27=3	103.266	197.176	110.486	112,118	117.516
T22=4	106.458	110.253	113.635	115.403	115.840
		2	T12 0		
		T= 4	4 0		
		4	4 T33		
	T22-0	T33=1	T33=2	733=3	T33=4
T12=0	T33=0 106.458	110.253	113.635	115.403	115.840
T12=1	98.036	101.997	105.894	108.112	109 - 695
T12=2	98.036	101.997	105.894	108.112	108.695
		2	ם ם		
		T= 4	T22 T23		
		4	4 4		
	723=0	T23=1	123=2	T23=3	T23=4
T 2 2 = 0	88.828	115.840	172,373	120.618	124.429
T22=0	#U#07"	114.655	125.404	124.429	127.881
122=2			120.618	127.881	126.287
T22=3				126.287	130,096 132.099
T 2 2 # 4					4.0.0
		2	T12 D		
		T= 4	4 723		
		4	4 4		
	T23=0	Y23=1	T23=2	T 7 3 = 3	T23=4
112=0	115.840	125,404	127.881	130.096	137,099
T12=1	108.695	118.547	120.808	123.440	126.710
112=2	10P.695	118.547	120.808	123.440	126.710
		2	T12 T13		
		T= 4	4 4		
		4	4 4		
	T12=0	T12#1	T12=2	7 1 2 = 3	T12=4
T13=0	132,099	126.710	126.710		
T13=1 T13=2		126.710	126.710 126.710		
113=4			1604710		

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND 0 HID OPPORTUNITIES REHAINING

		<u>-</u>		•	
		3	0 0		
		T# 4	0 0		
		4	T32 T33		
	¥32=0	T32=1	T32=2	T32=3	T32=4
T33=0	79.147	124,710	126.710	123.440	124.710
T33=1		03.431	126.710	123.440	124,710
T33=2			86.787	123.440	126,710
133=3				88.811	126.710
T33=4					89.675
		3	0 0		
		T= 4	722 0		
		4	4 733		
	T33=0	T33=1	T33=2	T33=3	T33=4
T22=1	97.048	101.129	104.098	105.277	105.404
T22=2	100.100	104.277	107.505	107.055	107.394
T22=3	103.288	107.282	110.818	112,580	113.015
T22=4	106.648	110.518	114.137	116.057	114,537
		3	T12 0		
		T= 4	4 0		
		4	4 733		
	733=0	T33=1	T33=2	733=3	733=4
T12=0	106.648	110.518	114.137	116.057	116.539
T12=1	98.036	101.997	105.894	108.112	108.695
T12=2	98.036	101.797	105.894	108,112	100,695
T12=3	98.036	101,997	105.894	108,112	108,695
		. 3	0 o		
		T= 4	T22 T23		
		4	4 4		
	Y23-0	700-1		**3*3	Y 2 2 4 H
T = 2 0	Y23=0	T23=1	T23=2	72303	T23m4
T22=0 T22=1	89.675	116,539	123.251 126.318	121.565	125.377
T22=2		113,513	121.565	128.870	127.367
T22=3			12.450-	127,369	131,151
722=4				•	133.338
		3	T12 0		
		T= 4	4 T23		
		4	4 4		
	721-0	T 0 2 - 1	701-1	70101	723=4
T12=0	T23=D 116.539	173=1	123=2	723#3 131,151	133,338
712=1	108.695	126,318	128.870 120.808	123.440	126.710
112=2	108,695	118.547	120.908	123.440	126.710
T12=3	100.695	118.547	120.808	123,440	126,710
		3	T12 T13		
		7 . 4	4 4		
		4	4 4		
		_			·-
	T12=0	T12=1	T12=2	712=3	Y12=4
113-0	133.338	126,710	126.710	126,710	
113=1 113=2		126.710	126.710	126.710	
713-3			126.710	126,710	

EXPECTED INCREASE IN ASSETS, 1000°S OF \$ 2 YEARS AND 0 PID OPPORTUNITIES REMAINING

		4	0 0		
		T= 4	0 0		
		4	T32 T33		
	T32=0	T32=1	T32=2	T32=3	T32=4
T33=0	78.792	176.710	126.710	126.710	126.710
T33m1		A3.208	126,710	126.710	124.710
T33=2			86,304	126.710	126.710
T33=3 T33=4				88,462	176.710 87.395
					0
		4	0 0		
		T= 4	T 22 D		
		•	4 T33		
	T 33=0	T33=1	T33#2	73343	T33=4
T22=1	96 - 113	100.250	103.279	104,535	104.892
T22=2 T22=3	98.924 102.284	103,152	106.422	108.057 111.784	108.412
T22=4	105.892	109.783	113.477	115.529	116.046
			712 0		
		7= 4	112 0 4 0		
		4	4 133		
	733-0	Y 4 3 1	7.30	1-1	T22-#
T12=0	T33=0 105.892	T33=1	733#2	733=3 115,529	T33=4
Y12=1	98.036	101.797	113.477 105.894	108.112	108.695
T12=2	98.036	101.997	105.894	108.112	198.695
T12=3	98.036	101,997	105.894	108.112	109.495
T12#4	96.036	101.997	105.894	108.112	198.695
		4	Q Å		
		T= 4	T22 T23		
		4	4 4		
	123=0	T23=1	123#2	T23=3	T22=4
T22=0	89.395	114.046	122.809	121.158	124.970
T22=1 T22=2		115.191	125,958 121,158	124.970 128.428	128.428 127.183
Y22=3			*#***	127.183	130.969
T 2 2 = 4					133.340
		4	T12 0		
		T= 4	4 723		
		4	4 4		
	T23=9	T23=1	T23=2	723=3	T23=4
T12=0	116.046	125,958	120.428	130.969	133,340
T12=1	108.695	119.547	120.808	123.440	126,710
T12=2 T12=3	198.695 198.695	118.547 118.547	120.808	173.440	126.710
_	108.695	114.547	120.808 120.808	123.440	126,710
		4	T12 T13		
		T≈ 4	4 4		
		4	4 4		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	133.340	126.710	126.710	126.710	126.710
T13=1		126.710	126.710	126.710	176.710
T13#2 T13#3			126.710	126.710	124.819 127.504
T13#4					128,796

EXPECTED INCREASE IN ASSETS: 1000+5 OF \$ 2 YEARS AND 1 BID OPPORTUNITIES REMAINING

					•
		1	0 0		
		T= 4		•	
		4	732 YY3		
	T32=0	T32=1	Y32=2	732=3	732×
T33=0	81.376	135,741	135.761	135,741	134.73
733=1		85.370		135.761	136.73
T33=2 T33=3			88.270	135,761	136.73
T33-4				90,039	136.73
					90.57
		1	0 0		
		T= 4	T22 0		
		4	4 733		
	T3340	T33=1	733=2	733#3	733±4
T22=1	101-147	104.567	106.783	107.756	108.194
T22=2	104.496	108.026	110.709	111,781	112.242
T22=3 T22=4	107-101	110.510	113,294	114,695	115.005
12487	110.091	113.418	116.202	117,412	117.944
		t	T12 0		
		T# 4	4 0		
		4	4 733		
	T33=0	T33=1	T33=2	7 43 = 3	7
T12=0	110.091	113,418	116.202	117.612	733#4
T12=1	110.796	114,302	117.172	118.625	117,944
				.,0,025	1104161
			0 0		
		7≠ 4	T22 T23		
		4	4 4		
_	723 = 0	723m1	T23=2	T23=3	T23#4
T22=0	90.578	117.944	124,242	122.752	126.364
T22#1 T22#2		116,496	127,222	126.364	127.774
722#3			122.752	129.974	127.770
T22=4				127,770	131.594
					13361//
			712 O		
		T= 4	4 723		
	T23=0	T2341	T23=2	723=3	T23=4
T12=0	117.944	127.222	129.974	131.594	133,177
T12=1	118.969	126.931	129.106	130.632	132.790
			T17		•
		1 7= 4	T12 T13		
		4	4 4		
	V. 4	·	•		
7 1 3 A	712=0	712=1	T12=2	T12=3	T12=4
T13=0 T13=1	133.177	132,790			
. 1 . 4 1		130,599			

EXPECTED INCREASE IN ASSETS, 1000+5 OF \$ 2 YEARS AND 1 RID OPPORTUNITIES REMAINING

		• 11.6.7			-
		2	0 0		
		T= 4	0 0		
		4	T32 T33		
	732=0	T32=1	T32=2	T32=3	T32=4
T33=0	82.081	130,599	129.106	130.932	132.790
T33=1		86.607	129.106	130,832	132.790
T33m2			89.669	130.832	132.790
T33=3				91.488	132.790
T33=4					92.143
		2	0 0		
		T= 4	T22 0		
		4	4 T33		
	T33=0	T33=1	T33=2	T33=3	T33=4
T22=1	101.936	105.760	10A.349	109.326	109.567
122=2	105.245	109.161	112.004	113.295	113,566
T22=3	108.311	112.078	115.174	116.634	116.978
T22=4	110.854	114.560	117.684	119.279	119.595
		2	T12 0		
		T= 4	4 0		
		4	4 T33		
	T33=0	T33=1	¥33 = 2	T 3 3 = 3.	T33=4
112=0	110.854	114.560	117.6R4	119,229	119.595
T12=1	111.291 111.424	114,850	117.949 118.302	119.539 119.942	117.926
.,	1114121	.15.107	116.302	1174772	120,540
		2	0 0		
		T= 4	T22 T23		
		4	4 4		
	T23=0	T23=1	T23=2	T23=3	723#4
T22=0	92.143	119.595	126.871	124.901	128.951
T22=1		118.671	129.475	128.951	132.181
T22=2			124.901	132,181	130.436
T22=3				130.436	134.256
12254					1374365
		2	T12 0		
		T= 4	4 T23		
	T23=0	Y 23 = 1	722#2	723=3	T23=4
Y12=0	119.595	129,475	723#2	134,256	135.583
112=1	119.926	128,823	132.181	133.047	134.886
T12=2	120.343	129.466	131.756	133.705	135.480
		_	710 7.4		
		2	- • -		
		Y= 4	4 4		
	_	·	•		
	T12=0	T 1 2 = 1	T 1 2 = 2	T 1 2 = 3	T12=4
T13#0	135.583	134,886	135.480		
713=1		132,430	132.430		
T13=2			132,430		

EXPECTED INCREASE IN ASSETS: 100015 OF \$2 YEARS AND 1 RID OPPORTUNITIES REMAINING

		3 0 T= 4 0	0
		4 T32 T3	3
	T32=0		2=2 732=3 732=4
T33=0		132,430 132.	
733=2	•	88.023 132. 91.	
733#3 733#4			93.353 135.480
130#4			94.112
			0
			0
	•-• -		3
T22=1	T33mD		3=2 733=3 733#4
722=2	102.644 106.070	106.592 109.4	
T22=3	109.231	113.132 116.9	
T 2 2 = 4	111.969	115.775 119.2	
		3 T12 C	
		T# 4 4 C)
		4 4 733	l e e e e e e e e e e e e e e e e e e e
	T33=0	T33=1 T33	=2 733=3 T33±4
T12=0	111.969	115.775 119.2	
T12=2	111.689 111.799	115.336 118.6 115.566 118.9	
112-3	111.853	115.656 119.1	
		3 0 0	
		3 6 0 T= 4 T22 T23	
		4 4 4	
	T23=0	T23*1 123	#2
122=0	94.112	121,394 128,5	
T22=1 T22=2		120,341 131.2	17 130.734 134.029
722=3		126.6	99 134,029 132,400 132,400 136,213
T22=4			137.831
		3 T12 0	
		T= 4 4 T23	
	T23=0	T23=1 Y23:	"2 723=3 T23#4
T12=0	121.394	131.217 134.02	
112=1 112=2	120.802	129,979 132.50	08 134,643 136,579
712=3	121.203	130,621 133.19 131.020 133.57	
		_	75 135.757 137.691
		3 T12 T13	
		** 4 4 4 4 4 4	
	T12=0	T1241 T124	2 712=3 712=4
13-0	137.831	136,579 137.23	• • •
/13=1 /13=2		134,185 134,18	5 134,185
13=3		134.18	- • • • •
			134,185

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND 1 BID OPPORTUNITIES REMAINING

		4 0 ô		
	_	4 0 0		
	•	4 T32 T33		
T :	32=0 T32=	T32=2	732#3	T32#4
	688 134,18	5 134.185	134,185	137.691
73301	89.97		134,185	137.691
133=2 133=3		92.950	95.079	137.691
133=4			- 0	95.906
		4 0 n		
		4 T22 D		
		4 4 T33		
7	33×0 T33=	1 T33=2	T33=3	133=4
_	813 197.79		111.816	112.127
	966 111.03		115.690	116.010
	346 114,25		119,428	119.848
122=4 113	.325 117.13	1 120.423	122.510	122.968
		4 T12 0		
		4 4 0		
		4 4 T33		
т	33m0 T13m	1 733=7	T33=3	T33=4
	.325 117.13		122.510	122.96P
	.594 115.31 .686 115.49		120.648	121.115
	.728 115.56		121,151	121.643
T12=4 111	.394 115.24	7 11A.8AC	120.887	121.385
		4 0 0		
	Tm	4 T22 T73		
		4 4 4		
٣	23m0 T23m	1 723=2	T23=3	723=4
722=0 95	906 122.96	8 129.980	128.062	132.115
722×1	121.73	-	132,115	135.404
T22=2 T22=3		128.062	135.404 134.024	134.024
T22=4			.51,61	139.674
		4 T12 0		
	_	4 4 723		
_			w c 9 - 3	7 = 4 A
	23m0 T23=	· .	T23=3	T23#4
	.968 132.79 .115 130.54		137.624 135.400	137.666
	.443 131.06		135,953	138.199
	.643 131,39		136,312	138.576
T12=4 121	·388 131,22	4 133,705	136,197	138.479
		4 T12 T13		
т	1200 Ti2=		717=3	T12=4
	.674 137.66		138.574	138,479
713=1 713=2	135.74	1 135.761 135.761	135.761	135.761
T13=3		rose tur	135.761	134.119
T13#4				136.730

EXPECTED INCREASE IN ASSETS. 1000+5 OF \$ 2 YEARS AND 2 BID OPPORTUNITIES REMAINING

	T ICAMP MID	עיח א	O, , OK , ON . IF	LO REMAINING
		1	0 0	
		T# 4	0 0	•
		4	_	
				
	T32=0	T32=1	T32#2	T32=3 T32=4
133=0	83.570	143,644	144.761	145.694 146.555
733=1		A7.359	144.761	145.694 146.555
T33=2			90.272	145,694 146.555
T33=4				92.485
				1
		1	0 0	
		T= 4	T22 0	
		4	4 T33	1
	T33=0	T33=1	733=2	. T33#3 T33#4
T22=1	103.863	107.188	109.556	110.460 110.691
T22=2	107.017	110,576	113.241	114.431 114.693
T22=3	109.309	112,687	115.476	116.776 117:079
T22=4	112.441	115.378	118.011	119.357 119.646
			T10 0:	
		1	T12 0	·
		T= 4	4 0	·
		7	4 733	
	733=0	T33=1	T33=2	T33=3 T33=4
T12+0	112.441	115.378	118.011	119.357 119.646
712=1	118.936	121,846	124.162	125,239 125,468
		- 1	0 0 :	
		T= 4	T22 T23	
		4	4 4	
	T23=0	T23=1	T23=2	T23#3 T23#4
T22=0	92.485	119.646	126.632	125.078 128.772
T22=1		118,604	129.364	128.772 132.309
T22=2			125.078	132,309 129,937
T22=3				129,937 133,757
T22=4				134,961
		1	T12 D	
		T= 4	4 T23	
		4	4 4	·
<u>.</u>	T23=0	T23=1	T23=2	723=3 Y23=4
T12=0	119.646	129.364	• • •	133,757 134,961
T12=1	125.468	132,915	135.242	136,558 137,614
		1	Y12 T13	
		Tm 4	4 4	
		4	4 4	
	T 4 9 4	T.A .		w.9_3
	T12=0	T12=1	T12=2	T12=3 T12=4
T13=0	134.941	137,814		
113=1		136,407	•	i

EXPECTED INCREASE IN ASSETS. 1000+5 OF \$ 2 YEARS AND 2 BID OPPORTUNITIES REMAINING

	I.				•
	1	1 2	0 0	•	
		T= 4	0, 0		
		1 4	T32 T33'		
,	T32=0	702-1	700-3	* 2 7 = 2	732m4
		T 12=1	T32=2	T37=3	
T33=0 T33=1 :	84.293	136,407	135.242	136,558	137.814
133=1 133=2		1 88.741	135.242 91.812	136.558	137.814
T 3 3 = 3			714516	93.633	137.814
T33=4				, 5 ,	94.231
		· :			1
١ .		2	ם ס		1
	1	T= 4	T22 0		
		4	4 T33		
!	T33=0	T33=1	T33=2	T33=3	T33=4
Y22=1	104.827	108.485	111.073	112.054	112.294
T22=2	108.145	111.927	114.797	116.073	116.343
T22#3	110.776	114.487	117.566	119.028	119,369
722=4 I	113.283	116,770	119.667	121.199	121.549
	·				
		2	T12 0		
	1	T= 4	4 'o		•
	,	4	4 733		
	T33=0	T33=1	1 T33=2	T33=3	T33=4
T12=0	113.283;	116.770	119.667	121.199	121.549
T12=1	119.722	122.970	125.576	126.824	127.105
T12=2	120.291	123.778	124.538	127.433	128.127
		•	0 n		
	_	2	-	. '	
	!	T= 4	T22 T23		
		•	7		
:	T23±0	T23=1	123 =2	T 23 = 3	T23=4
T22=0	94.231	121,549	129.508	127.443	131,653
T22=1		121.027	131,863	131.653	134.715
T 2 2 = 2			127.443	134,715	132.964
T 2 2 = 3		•		132,764	136.769
T 2 2 = 4			1 r		137.734
	l .	2	T12 D		
		T= 4	4 T23	T.	
i		4	4 4		
	723-0		****	123=3	T23=4
	T23=0	T23=1	T23=2		
T 1 2 = D	121.549	131,863	134.715	136.769	137.734
T12=1 T12=2	127•105 128•127	135.590	138.031 139.385	139.696 141.089	140.794
112=2	1401177	130.754	1370077	1410001	14/4116
•		. 2	TIZ TĨ3	,	
	1	T= 4	4 4	-	
		4	4 4	ı	
	T12=0	T4 2=1	T12=2	T12=3	T12=4
T 1 3=0	137.734	140.794	142.116	114-9	
T 1 3 = 1	********	139.328	140.170	1	
T13=2	1	4074420	140.427		
	•	!	* · • * * * * * * * * * * * * * * * * *		

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND 2 HID OPPORTUNITIES REMAINING

		•		
		3 0 0 T# 4 0 0		
	T32=0	4 732 733 732=1 732=2	732=3	T32=4
733=0 733=1 733=2 733=3 733=4	86.484	139.328 140.427 90.453 140.427 93.882	141.059 141.089 141.089 95.894	142.116 142.116 142.116 142.116 96.619
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		3 0 0		
		T= 4 T22 0 4 4 T33		
	T33=0	T33=1 T33=2	733#3	733#4 113,692
T22=1 T22=2 T22=3 T22=4	105.778 109.367 112.305 114.711	109,612 112,380 113,286 116,289 116,126 119,384 118,420 121,773	113,423 117,663 120,946 123,428	117.958 121.316 123.824
		3 T12 0 T= 4 4 D		
	733=0	4 4 733 733=1 733=2	733=3	733=4
T12=0 T12=1		118.420 121.773 124.031 126.913	123,428	123,824
T12=2	121.179	124,780 127,833 125,393 128,633	129.297 130.195	129,638
-		3 O O		
		Y= 4 T22 T23 4 4 4		
703-0	T23=0	T23=1 T23=2	T23#3 129.613	T23#4
T22=0 T22=1 T22=2 T22=3	! !	123.824 131.488 122.984 133.898 129.613	133.784 136.724 135.311	136,924 135,311 137,114 140,414
T 2 2 = 4		3 T12 0		
		T= 4 4 T23 4 4 4		
	T23=0	T23#1 Y23#2	723=3	T23#4
712=0 712=1	128.643	133,898	139,114	143.181
T12=2		138,817 141,479 139,895 142,625	143,373 144,531	144.587
		3 T12 T13 T= 4 4 4 4 4 4		
	T12=0	T12=1 T12=2	T12=3	T12=4
T13=0 T13=1 T13=2 T13=3	! !	143,181 144,587 141,676 142,590 142,867	145.772 143.355 143.637 143.822	

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND 2 RID OPPORTUNITIES REMAINING

		4	0 0		
		T= 4	0 0		
		4 T	32 733		
	T32=0	T32=1	T32=2	T32=3	T32#4
T33=0	87.437	141.676	142.867	143.822	145.772
T33=1		93.414	142.867	143,822	145.772
T33=2		- '	96.517	143.822	145.772
733×3				98.517	145.772
T33=4					99.375
		4	0 D		
			22 D		
		4	4 T33		
	721-0	7.3-4		~ . 1 - 1	T33=4
	T33#D	T 3 3 = 1	T33=2	733=3	
T22=1	108+120	111,962	114,797	115,420	116.112
T22=2 T22=3	111.56A 114.806	115.516	117.540	170.013 123.406	120.320
T22=4	117.406	121.147	124.497	126.274	176.696
			•		••
			12 n		
		T= 4	4 0		
		4	4 T33		
	T33=0	T 3 3 m j	T33#2	T33=3	T33=4
T12=0	117.496	121.147	124.497	126.274	126.696
T12=1	121.494	124.930	127.940	129.507	129.874
T12=2	121.933	125.577	128.747	130.379	130.765
T12#3	122.393	176.103 126.406	129,442	131.172	131,583
T12=4	122.676	1/04/706	129.789	131.602	132.033
		4	0 0		
		Tm 4 T	22 T23		
		4	4 4		
	T23=0	T 2 3 = 1	T23=2	T23=3	723m4
T22#0	99.375	126,696	134.074	132.075	136.275
T22=1	, , , , ,	125.719	136.616	136.275	139.413
T22=2			132.075	139,413	137.988
T27=3				137.988	141.79A
722=4					143.285
		4 T	12 ŋ		
		T= 4	4 123		
		4	4 4		
	****	7.01-1	V 4 4 - 4	****	T23=4
***	T23=0	T ~ 1 = 1	T23=2	T23#3	_
112±0 112=1	126.696	136.616 138.860	139.413	141.798 143.504	143.285
112=1 112=2	1292074	140.169	141.421	144.912	146.378
T12=3	131.543	141.134	143,783	146.020	147.539
T12=4	132.033	141.704	144.371	146.672	148,280
		_	12 T13		
		T == 4 4	4 - 4		
		. •	- H		
	712=0	T 2=1	T12=2	T12=3	T12=4
			146.378	147.539	148.280
T13=0	143.285	145.020	1.0.370	- -	-
T13=1	143.285	143,644	144.539	145.315	145,852
713=1 713=2	143.285			145.315	145,852
T13=1	143.285		144.539	145.315	145,852

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND 3 BID OPPORTUNITIES REMAINING

		ı	O D		
		T= 4	0 0		
		4	T32 T33		
	T32=0	T32=1	T32#2	732=3	732=4
733=0	85.296	150.476	152.952	155.045	156.636
T33=1		88.992	152,952	-	156.634
133#2 133#3			92.013	155.065 43.580	156,636
733=4				434300	93,989
		1	0 p		
		T= 4	T22 0		
		.4	4 733		
	T33=0	T53=1	T33=2	T33=3	T33=4
T22=1	105.873	109.260	111.571	112.440	112,665
122=2	108.642	112.327	114.980	116.113	116.376
T22=3 T22=4	110.871	114.207	116.921 119.592	118,124	118.423
185-7	1144300	117,077	• • • • • • • • • • • • • • • • • • • •	1204770	1211047
		1	T12 0		
		7= 4	4 0		
		4	4 733		
	733=0	T33=1	T33=2	T33=3	733=4
T12=0	114.300	117.077	119,592	120.790	121.047
712=1	123.784	126.441	128.480	129.403	129,600
		1	0 0		
		7m 4	T22 T23		
		4	4 4		
	723=0	Y23=1	T23=2	723=3	T23=4
122=0	93.989	121.047	128,280	126.766	130,494
122=1		120.184	130.881	130.494	133,937
722=2 722=3			126.766	133.487	131,442
T22=4				131,442	136.195
		i	T12 0		
		T= 4	4 T23		
		4	4 4		
	123=0	T23=1	T23=2	T23=3	T2364
112=0	121.047	130.881	133.987	135.264	136.195
1=517	129.600	137,354	139.863	140.912	141.775
		1	T12 T13		
		Tm 4	4 4		
		4	4 4		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13-0	136.195	141.775	- - -	-	
113-1		142.417			

EXPECTED INCREASE IN ASSETS, 1000 R OF S 2 YEARS AND 3 RID OPPORTUNITIES REMAINING

•	• • • • • • • • • • • • • • • • • • • •				
		2	o ó		
		T= 4	0 0		
		4 T3	32 T33		T32=4
	T32#0	T 3 2 = 1	¥32=?	T32=3	141.775
T33=0	86.029	142.417	139.863	140.912	141.775
T33=1		90.413	139,863	140.912	141.775
T33=2 T33=3				95,440	141.775
733=4					95.985
-		2	0 0		
			22 0		
		4	4 T33		
	743-6	T33=1	133=2	T33#3	T33=4
	T33=0 106.923	110.601	113,204	114,172	114.402
722=1 722=2	100.723	113.648	116,721	117,985	119.252
T22=3	112,379	115.963	118,996	120.451	120.776
T22=4	115.260	118.550	121.354	122,820	123013
		2 T	12 0		
		T= 4	4 0		
		4	4 733		
	T33=0	T33=1	T33=2	733=3	T33=4
T12=0	115.260	118.550	121.354	122.82D	123.139
112=1	124.987	128.015	130.35R	131.410 132.850	131.635
T12=2	175.880	129.199	131.723	13% 620	1.,000
		2	0 0		
		T= 4 '	T22 T23		
		4	4 4		
	T23=0	T23=1	T23=7	T 7 3 = 3	T23=4
T22=0	95,985	123.139	131.181	129.244	138.383
722=1		172.686	133.438	133,383 136,482	134.535
T22=2			129.244	134.535	138.331
T22=3 T27=4					139.069
12.4		•	T12 0		
		2 T= 4	T12 0 4 T23		
		4	4 4		
			123=2	T23=3	T23=4
	723=0	T23=1	136,487	138,331	139.069
T12=0	123.139	133,438	142.875	144.428	145.130
T12=1 T12=2	133.091	142.099	144.706	146.328	146.977
,,		•	T12 T13		
		2 T= 4	4 4		
		4	4 4		
	719-0	T12=1	T12=2	T12=3	T12=
* - 4 - *	T12=0	145,130	146.977		
713=0 713=1	1371087	145,041	147.509		
713=2			148.236	1	

EXPECTED INCREASE IN ASSETS, 1000'S OF S 2 YEARS AND 3 HID OPPORTUNITIES REMAINING

		3 0 0 T= 4 0 0 4 732 733	
T33=0 T33=1 T33=2 T33=3	T32m0 88.486	T32=1 T32=2 145.641 146.236 72.258 146.236 75.760	732m3 146.328 146.977 146.328 146.977 146.328 146.977 97.800 146.977 97.800
		3 0 0 T= 4 T22 0 4 4 T33	
T22=1 T22=2 T22=3 T22=4	T33=Q 1Q8-298 111-7[4 114-274 116-863	T33=1 T33=2 111,999 114.694 115,545 118,533 117,985 121,185 120,389 123,587	733=3 T33=4 115.727 115.786 117.897 120.191 122.724 123.083 125.117 125.477
		3 T12 D T# 4 4 0 # 4 T33	
T12=0 T12=1 T12=2 T12=3	T33=0 116.863 126.412 127.239 128.227	T33=1 T33=2 120,359 123,587 129,552 132,169 130,677 133,497 131,780 134,824	733#3. 733#4 125.117 125.477 133.376 133.641 134.773 135.080 136.216 136.530
		3 0 0 Tw 4 T22 T23 4 4 4	
T22=0 T22=1 T22=2 T22=3 T22=4	T23m0 98,465	723=1 723=2 125.477 133.381 124.767 135.634 131.555	723=3 723=4 131.555 135.748 135.748 136.845 138.845 137.067 137.067 140.873 141.914
		3 712 0 7= 4 4 723 4 4 4	
T12=0 T12=1 T12=2 T12=3	723=0 125,477 133,641 135,080 136,530	T23#2 135.634 138.845 142.366 145.217 144.262 147.127 145.810 148.778	T23=3 T23=4 140,873 141,914 146,888 147,720 148,903 149,680 150,410 151,447
		3 T12 T13 Te 4 4 4 4 4 4	
713#0 713#1 713#2 713#3	712=0 141-914	T12=1 T12=2 147,720 149,680 148,372 150,137 150,884	712=3 712=4 151.447 151.575 152,377 153.035

EXPECTED INCREASE IN ASSETS, 1000*5 OF \$ 2 YEARS AND 3 BID OPPORTUNITIES REMAINING

		4 0 0 T# 4 0 0 4 T32 T33		
	T32=0	T32=1 T32=2	T 3 2 = 3	T32=4
T33=0	92.142	148.372 150.884	153.035	151.447
T33=1		96.185 150.084	153.035	151.447
T33=2 T33=3		99.020	153.035 101.116	151,447
T33=4				101.805
		4 U a		
		4 U Q T= 4 T22 C		
		4 4 733		
	T33=0	T33=1 T33=2	.733=3	T33=4
T22=1	111.460	115.150 117.795	118.561	119.129
T22=2	114.920	118.749 121,675	123.080	123.371
T22=3 T22=4	117.682	121.399 124.545 123.873 127.033	126,123	126.491
, ,, , , , ,	1201314	173.873 127.033	128.688	129.064
		4 712 0		
		7= 4 4 0 4 4 T33		
712.0	733=0	T13=1 T33=2	T33#3	T33=4
T12=0 T12=1	120.319	123.873 127.033 131.459 134.155	128,688 135,492	179.064
112=2	129.024	132,495 135,391	136.928	137.151
T12=3 T12=4	129.919	133,495 136,609	138,152	138,503
112-1	1314131	134,733 137,892	139,538	134.912
		4 0 0		
		Y= 4 T22 T23 4 4 4		
				
797-0	123=0	T23=1 T23=2	T23=3	T23=4
T22=U T22=1	101.805	179.064 136.633	134.735	138.877 142.065
T22=2		134,735	142.065	140.362
722=3 722=4			140.362	144.185
1 & 2, 4 1				145.383
		4 T'}2 O		
		T# 4 4 723 4 4 4		
	T23=0	T23#1 T23#2	T23=3	T23=4
T12=0	129.044	139.036 142.065	144.185	145.383
T12=1	135.788	144.551 147.201	149.107	150,173
T12=2 T12=3	137.151 138.503	146.434 149.099	151.142 152.809	152.140 153.891
T12=4	139.912	149.427 152.149	154.365	155.501
		4 T12 Ti3		
		7 112 113 T= 4 4 4		
		4 4 4		
	T12=0	T12=1 T12=2	T12=3	T12=4
T13=0	145.383	150.173 152.140	153.991	155.501
T13=1		150.476 152.261	153.744	154.904
T13=2 T13=3		157,957	154.466	155,584
713m4			155.065	156,206 154,636
-				- • • -

EXPECTED INCREASE IN ASSETS, 1000'S OF S 2 YEARS AND 4 BID OPPORTUNITIES REMAINING

T33=0 T32=0 T32=0 T32=0 T32=1 T33=0 R6.73R T33=1 T33=1 T33=1 T33=2 T33=3 T33=3 T33=4 T33=0 T33=1 T33=1 T33=0 T33=			1	0 0		
T32=0 T32=1 T32=2 T32=3 T32=4 T33=0 R6.738 156.248 189.877 163.007 165.645 T33=1				_ **		
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EXPECTED INCREASE IN ASSETS, 1000*5 OF \$2 YEARS AND 4 BID OPPORTUNITIES REMAINING

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EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND 4 BID OPPORTUNITIES REMAINING

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T22=1	110.341	113,745	116,687	117,709	117.757
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T12=3	132.610	136.035	138.934	140.214	140.496
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		3	0 0		
		T= 4 T2			
		4	4 4		
	T23=0	T23=1	T23=2	723=3	72344
122=0	100.025	127,009	134.772	133,098	137.112
T22=1		124,359	137.183	137,112	140.371
T22=2			133.098	140,371	138.285
T22*3				138,285	142.093
122=4					147.811
		3 71	2 0		
		T= 4	4 T23		
		4	4 4		
	T21-0	****		****	703-4
T. 2-0	T23=0	T23=1	T23=2	123=3	T23=4
T12=0 T12=1	127.009 136.936	137,183 145,839	140.371	142.073	142,811
T12=2	:38.679	148.037	148.835	150.412 152,770	151.004
T12=3	140.496	149.907	153.017	154.819	155.426
				. •	
		3 11	• -		
		Υ= 4	4 4		
		4	4 4		
	T12=0	T12=1	T12=2	T12=3	T12=4
T13=0	142.811	151.004	153.305	155.426	
T13=1		154.001	156.378	150,782	
713-2			157.610	159.579	
71303				140.719	

EXPECTED INCREASE IN ASSETS, 1000+5 OF \$ 2 YEARS AND 4 RID OPPOPTUNITIES REMAINING

				-	-
		4 0	0		
		T= 4 0	0		
		4 732	T33		
	T32=0	T 12=1	T32=2	T 3 2 = 3	T32=4
T33=0	94.390		57.610	160.719	155,426
733m1	710370	•	57.610	160.719	155.426
T33=2		=	01.040	160.719	155.424
T33=3		•	• • • • • • • • • • • • • • • • • • • •	103.154	155.426
T33=4					103,762
			_		
		4 0			
		T= 4 T22	733		
		, ,	133		
	T33=0	T 3 3 = 1	T33=2	733#3	T33=4
T22=1	114.219	117.803 1	20.370	121.396	121,653
T22=2	117.412		24.035	125.428	125.718
T22#3	119.994		26.601	128.102	178,450
T 2 2 = 4	122.740	126,131 1	29.133	130.680	131.015
		4 112	n		
		T= 4 4	0		
		4 4	733		
	733-0		~~~~	3-3	T33=4
	T33=0	T33=1	T33=2	133=3	
T12=0	122.740 132.861		29.133 39.363	130.680	131.015
T12=2	133.867		39.905	141,211	141.490
T12=3	175.154		41.52A	142.934	143.243
T12=4	137.281	140,739 1	43.694	145.175	145,523
		, n			
		4 0			
			? T23 ! 4		
		•	•		
	T23=0	Y 23=1	T23=2	T 2 3 = 3	T 2 3 = 4
T22=0	103.762	131.018 1	34.573	136.457	140.853
T 2 2 = 1			41.120	140.853	144+178
T22=2		1	36.857	144,178	147.051
T22=3				142.051	145.893
. 22-4					1
		4 T12	. u		
		T= 4 4	T23		
		4 4	1 4		
	T23m0	T23=1	T23#2	T23=3	T23=4
T12=0	131.01A	-	44.178	145.493	146.869
T12=0	139.784		51.393	153,137	153.889
T17=2			53.635	155,579	154.25ª
T12=3	143.243		55.404	157.628	158.398
T12=4	145.523	154.905	57,753	159,906	140.759
		4 T12	713		
		Tm 4 4	? T13 ! 4		
		4 4			
		_	•		_ #
	T12=0	T 2 = 1	T12=7	T12=3	T12=4
T13=0	146.969		156.25F	158.398	140.759
T13=1			58.671	160,430	162.355
713=2		1	159.A77	141,892	164.704
T13=3				163.007	145.645
					*4.18047

EXPECTED INCREASE IN ASSETS: 1000'S OF S 2 YEARS AND S RID OPPORTUNITIES REMAINING

				•	
		1	0 0		•
		T= 4	0 0	1	
		4	T32 T33		
	Y32=0	732=1	T32=2	T32=3	T32=4
133+0	87.941	141,104	165.526	169.372	173.148
133=1		71,859	165,526	169,372	173.148
733=2			94,943	169.372	173.148
T33#3				96.184	173.148 96.508
T33#4					404300
		ı	0 0	•	
		T= 4	T22 0		. '
		4	4 733		
	T33=0	T33=1	T33=2	T 3 3 = 3	T33=4
T22=1	108.759	112,196	114.473	115.246	115.467
T22=2	111.125	114.677	117.115	118.122	118.383
T22#3	113.502	116,742	117,206	120.159	120.403
T 2 2 = 4	117.159	119,935	122,251	123.200	123.404
		1	T12 0		
		T= 4	4 0	1	
		4	4 733	•	
	T33=0	T33=1	T33#2	T33=3	T33=4
T12=0	117.159	119.935	122.251	123,200	123.404
712=1	129.180	131.842	133,912	134.727	134.890
		1	0 0	-	1
		T= 4	T22 T23		
		•	•		
	T23=0	T23=1	T23=2	723=3	T23#4
722=0	96.50A	123.404	130.433	129.039	132,647
T22=1 T22=2		122,641	133.278 129.039	132.647 136.247	136,247
T22#3			12/1037	133.324	137,847
T22=4					137.650
		•	T12 0		
		T= 4	T12 0		:
		, - 7	4 . 4		
		•			
	T23=0	T23=1	T23=2	T23=3	723=4
T12=0	123.404	133,278	136,247	137.147	137.650
T12=1	134.890	143,359	146.200	147.018	147,436
		1	T12 T13		:
		T= 4	4 4		1
		4	4 4		
	T12=0	T12=1	112=2	712=3	T12=4
T13=0	137.450	147.436	. 1 2 - 2	-	, -
713-1	, , , , ,	152,448		L.	

EXPECTED INCREASE IN ASSETS: 1000°5 OF \$ 2 YEARS AND 5 RID OPPORTUNITIES REMAINING

	Z ITENS HNU	3 MID (1)	Q ()((1) · 1)		Ĭ
	' '	: 2	ο ο :	:	
		, T = 4	0 0	•	
	t	4 T	32 T33 ·	;	
	T32=0 ,	T32=1:	T 3 2 = 2	Y 3 2 = 3	; T32=4
T33=0	88.708	152,448	146,200	147,018	147.436
T33=1	1	93,075	146.200	147.018	147,436
T33=2			96.541	147.018 98.362	147.436
T33#3	*3			48.302	98.786
133#7					
		1 . 2	Ó O		1
į			22 0		
	1	4	4 733		
	T33=0	T33=1	T33=2	T33#3	T33=4
T22=1	109.948	113.796	116'.36R	117,283	117.519
T2242	112.516	116.490	119,278	120.436	120.706
T22=3	115.030	118,631	121.496	122,748	123.030
T22=4	118.330	121.473	124.191	125.509	125.758
		2 T	12 0		
1	·	T= 4	4 0		ı
,		4	4 T33	:	
	T33=0	T33=1	T33=2	T33=3	T33=4
T 1 3 = 0		121.473	124.191	125.509	125.758
T12=0	118.330	133.641	135.875	136.805	137.005
T12=2		135,197	137.619	138.678	138.896
	:			!	
		2	0 "		1
!	:	T ≫ 4 T	22 723		
	1	7	• •		
•	T23=0	T23=11	T 2 3 = 2	123=3	T23#4
T22=0	98.786	125.758	133.310	131.684	135.466
T22=1	' I	125.320	135,979	135,466	138.878
T22=2		•	131.684	136.261	140.053
T22=4	,	•	i		140.463
			12 0	•	
		T= 4	4 723 4 4		
1	1	•	7 7		
	₹23 ≡Q	T23=1	T23#2	T73#3	T23=4
Y 1 2 m 0		135,979	138.878	140.053	140.463
T12=1		146.226	149.036	150.432	150.750 153.144
T12=2	138.896	148,534	151.346	152.862	1934147
	•	2 .	T12 T13		
	!	T= 4	4 4	1	
	ì	: 4	4 4		1
•	T12=0	T12=1	T12=2	112=3	T12=4
T13=0		150.750	153.144		
713-1		156.015	158.611		
T 3=2			140.200	•	

EXPECTED INCREASE IN ASSETS, 100015 OF \$ 2 YEARS AND 5 810 OPPORTUNITIES REMAINING

		. ,,			
		3	0 0		
		Y= 4			
			T32 T33		7.2.4
	T32=0	T32=1	T32#2	132=3	T32=4
733=0 733=1	91.747	156,015	160.200	152,862 152,862	153.144
T33=2		• • • •	98.823	152.842	153.144
T33=3				100.717	153,144
133=4					1011175
		3			
		T= 4	722 O 4 T33		
			. •	****	733=4
1	T33=0	733=1	T33=2	733=3 119.403	119.646
722=1 722=2	1 <u>1</u> 1.993 114.770	115,613	118,393	122,919	123.196
T22=3	117.338	120.802		125.422	125.729
T22=4	120.429	123,654	126.678	128,121	128,425
		3	T12 0		
		T= 4	_		
		4	4 133		
	T33=0	T33#1	T33=2	T 3 3 = 3	733=4
T12=0	120.429	123,654		128,121	128,425
712=1 712=2	132.801	135,734		140.964	141.196
712=3	135.714	139.017		143.036	143,292
		3	0 0		
		T= 4			
		4	1 4 4		
	723#0	723=1	T23=2	T23=3	T23#4
T22=0	101.470	128,425		134,321	138.191
T22=1 T22=2		127.776	138,563	138.191	141,580
T22=3			101,321	139.145	142,958
T22=4					143,508
		3	3 T12 0		
			4 123		
		4	+ 4 4		
	T23=0	723=1	123=2	T23=3	T Z 3 = 4
T1200	128 • 425	130,563		142,958 152,993	143.588
T12=1 T12=2	139.233	140,350		155.547	155.917
712=3	143.292	152,856		157.854	150.290
		9	3 712 713		
			4 4 4		
		4	4 4 4		
	T12=0	T12=	1 712=2	T12=3	T12=4
713=0	143.588	153,41	-	158.290	
7 1 3 = 1		158,61		163.521	
713#2 713#3			162.975	166,801	

EXPECTED INCREASE IN ASSETS, 1000°S OF % 2 YEARS AND S RID OPPORTUNITIES REMAINING

		4 0 0 T= 4 0 0 4 T32 Y33	
	T32=0	T3Z=1 T3Z	=2 T32=3 T32=4
T33=0	96.357	158.617 167.9	
733=1		100.089 142.9	75 166.A01 15A.290
733=2		102.A	34 166.801 158.290 104.956 158.290
733=3 733=4			105.493
		4 0 0	
		4 0 0 1= 4 122 0	
		4 4 T33	
	T33=0	T33=1 T33	mp 733m3 733m4
T22=1	116.487	120.000 122.5	
T22=2	117.407	123.085 125.9	32 127.296 127.579
122=3	121.898	125.385 128.3 128.017 130.8	
T 2 2 = 4	124.791	***************************************	
		4 T12 0	
		T= 4 4 0	
T . 2 - 0	T33=0 124.791	T33=1 T33	
T12=0 T12=1	136.072	138.967 141.3	111 142.358 147.5A1
T 1 2=2	137.236	140.466 143.0	
T 1 2=3 T 1 2=4	138.867 141.786	142.171 144.9 145.108 147.8	
1 (2. = 4	1410740		_
		4 0 0 T= 4 T22 T2:	
			4
	722-0	T23=1 T21	3=2 T23=3 T23=4
T22=0	105.493	132.667 140.	
T22=1		132.084 147.	914 142,420 145,853
Y 2 2 = 2		138+1	541 145.853 143.401 143.401 147.255
T22=3 T22=4			148.109
		4 712	0
		4 T12 4	
		4 4	
	T23=0	T23=1 T2	3=2 T23=3 T23=4
Y12#0	132.667	142.714 145.	853 147.255 148.109
T12=1	142.591	151.542 154.	478 156.598 156.620 920 158.754 159.21°
T12=2 T12=3	144.525 146.578	153,978 154. 156.050 159.	464
712=4	149.573	158,952 161.	
		4 T12 T1	3
		T= 4 4	4
		4 4	4
	T12=0	112=1 T1	2=2 T12=3 T12=4
T13=0	148.109	156.620 159.	216 161.619 164.607
T 1 3 = 1		161,106 167.	
713=2 713=3		145.	576 167.876 176.015 169.372 171.56?
713=4			177.148

EXPECTED INCREASE IN ASSETS, 1000'S OF S 2 YEARS AND 6 MID OPPORTUNITIES REHAINING

			0 0		
		1 Ym 4	0 0		
		•	T32 T33		
					T = 9 4
	732=0	T32=1	T32=2	732#3	732#4
T33#8	88.761	165,155	170.080	174.423 174.423	179.177
T33=1 T33=2		73.153	170.080 76.171	174.423	179,177
733-3			,0,1,,	97.275	179.177
T33=4					97.564
		1	0 0		
		T= 4	T22 0		
		4	4 733		
				m 4 9 m 9	722-4
	T33=0	T33=1	T33=2	T33=3	733-4
T2Z=1	109.866	113.279	115.497	116,277	116.503
T22=2 T22=3	112.231	115.692 117.425	117.970 120.164	121.017	121.244
T22=4	118.378	121.133	123,366	124,210	124.391
		1	T12 0		
		7= 4	4 0		
		1 4	4 733		
					9.5.5 #
	733=0	T33=1	T33=2	T33=3	T33=4
T12=0	118.378	121,133	123.366	124.210	124.391
T12=1	131.173	133,832	135.82*	136,575	1300/40
		1	0 0		
		T= 4	T22 T23		
		4	4 4		
	T23=0	T23=1	T23=2	723=3	T23=4
T22=0	97.564	124.391	131.260	129.790	133.337
T22=1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	123.630	134,244	133,337	136.994
T22=2		• -	129,790	136,994	133,898
T22=3				133,898	137.721
T22=4					138.086
		1	T12 0		
		T= 4	4 723		
		4	4 4		
	T23=0	T23=1	T23=2	T23=3	T23=4
T12=0	124.391	134.244	136.994	137.721	138,086
T12=1	136.740	145.480	148.406	149.146	149,440
= -				-	
		1	T12 T13		
		7= 4	4 4		
		4	4 4		
	T12=0	T 1 2 = 1	712=2	T 2=3	T12=4
113=0	138.086	149.440			
713=1		156.279			

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND 6 MID OPPORTUNITIES REMAINING

	A CLASS MAD			1 2 KENNINI	. 11
		2	0 0		
		T= 4	0 0		
		4	T32 T33		
	T32=0	T32=1	T32=2	T32=3	T32=4
T33=0	A9.786	156.279	148.406	149.148	149.440
733=1		94.267	148.406	149.148	149.440
T33=2			97.900	149.148	149.440
T33=3				99.581	140.440
13.7=7					4747/7
		2	0 n		
		T= 4	T22 0		
		4	4 T33		
	T33=0	T33=j	T33=2	T13=3	T33=4
T22=1	111.105	115.003	117.564	118.457	118.695
T22=2	113.650	117,639	120.343	121.420	121.671
T22=3	116.206	119.830	122,618	123.778	124.040
T22=4	119.600	122.785	125.439	126.658	176.889
		2	T12 0		
		T= 4	4 0		
		4	4 733		
	T33=0	T33=i	T33=2	733=3	T33#4
T12=0	119.600	122.785	125.439	126.458	176.889
T12=1	132.741	135.571	137.757	138.615	138.800
T12=2	134.De3	137,164	139,573	140.589	140.797
		_			
		2 T= 4	0 0		
		T= 4	T72 T23		
		·			
	T23=0	723=1	723=7	T 2 3 = 3	T23=4
T22=0	99.974	126.889	134.169	132.496	136.164
T22=1		126.377	137.000 132.496	136.164	139.676
T22=3			*32*470	136.771	140.571
T22=4					140.891
		2	T12 n		
		7= 4	T12 0 4 T23		
		4	4 4		
	=				
	T23=0	723=1	723=2	T > 3 = 3	T23=4
T12=0	126.889	137.000	139.676	140.571	140.891
T12=1	138.800 140.797	148.185 150.618	151.082 153.488	152.409 154.958	152.631
,,,,,,		0.010	·	1314.70	1504191
		2	T12 T13		
		T= 4	4 4		
		4	.4 4		
	T12=0	T1201	Ti2=2	T t 2=3	T12=4
T13=0	140.891	152.631	155.151		
713=1		159.832	142.576		
T13=2			164.464		

EXPECTED INCREASE IN ASSETS, 1000'S OF S 2 YEARS AND 4 BID OPPORTUNITIES REMAINING

		3	Q O		
		Tw 4	0 0		
		4	T32 T33		
		•			
	T32=0	Y32=1	T32=2	732=3	732=4
T33=0	93.109	159.832	164.464	154.958	155.151
733=1	, - , . ,	76.312	164.464	154,958	155,151
T33=2		,04312	100.170	154.958	155.151
133-3			1001170	102.302	155.151
733=4				102000	102.806
13307					101100
		3	0 0		
			T22 0		
		-			
		4	4 733		
	733=0	T 3 3 = 1	733=2	733=3	733=4
					121.085
122-1	113.338	117.039	117,848	120.847	
722=2	115.972	119,751	122,604	124.070	124.328
T2Z=3	118.600	122.044	125.234	174,610	124,874
T2Z=4	121.892	125.008	128.053	127.451	127.727
			*11 0		
		3	T12 0		
		T= 4	4 0		
		4	4 733		
	719-A			1-1	733-4
	T33m0	T 3 3 = 1	T33=2	733=3	
T12=0	121.892	125,008	128,053	129,451	129.729
T12=1	134.918	137,736	139,956	140.561	141.061
T12=2	136.192	139,352	141,863	142,914	143.138
T12=3	138.059	141.279	144.013	145.160	145,397
		_			
		3	0 0		
		3 7= 4	0 0 T22 T23		
		_			
		7= 4 4	T22 T23		va n_4
	T23=0	T= 4	T22 T23	723=3	Y23=4
T22=0	T23#0 102:606	7= 4 4	T22 T23	135.287	723=4 139.048
T22=0 T22=1		T# 4 4 T23=1	T22 T23 4 4	135.287	
		7= 4 4 723=1 129,729	T22 T23 4 4 T23=2 137.063		139.046
T22=1		7= 4 4 723=1 129,729	T22 T23 4 4 T23=2 137.063 139.790	135.287	139.048
T22=1 T22=2 T22=3		7= 4 4 723=1 129,729	T22 T23 4 4 T23=2 137.063 139.790	135.287 139.048 142.535	139.048 142.535 139.892 143.719
T22=1 T22=2		7= 4 4 723=1 129,729	T22 T23 4 4 T23=2 137.063 139.790	135.287 139.048 142.535	139.048 142.535 139.892
T22=1 T22=2 T22=3		7= 4 4 723=1 129,729	T22 T23 4 4 T23=2 137.063 139.790	135.287 139.048 142.535	139.048 142.535 139.892 143.719
T22=1 T22=2 T22=3		7= 4 4 723=1 129.729 129.036	T22 T23 4 4 T23=2 137.063 139.790 135.287	135.287 139.048 142.535	139.048 142.535 139.892 143.719
T22=1 T22=2 T22=3		7= 4 4 723=1 129.729 129.036	T22 T23 4 4 T23=2 137.063 139.790 135.287	135.287 139.048 142.535	139.048 142.535 139.892 143.719
T22=1 T22=2 T22=3		T= 4 4 T23=1 129.729 129.036	T22 T23 4 4 T23=2 137.063 139.790 135.287	135.287 139.048 142.535 139.892	139.046 142.535 139.892 143.719 144.274
T22=1 T22=2 T22=3		T= 4 4 T23=1 129.729 129.036	T22 T23 4 4 T23=2 137.063 139.790 135.287	135.287 139.048 142.535	139.048 142.535 139.892 143.719
T2201 T2202 T2203 T2204	102.8g6	T= 4 T23=1 129,729 129.036	T22 T23 4 T23=2 137.063 139.790 135.287 T12 0 4 T23 4 T23=2	135.287 139.048 142.535 139.892	139.046 142.535 139.892 143.719 144.274
T22=1 T22=2 T22=3 T22=4	102.806 T23mn 129.729	7= 4 T23=1 129.729 129.036 3 T= 4 4 T23=1 139.790	T22 T23 4 T23=2 137.063 139.790 135.287 T12 0 4 T23 4 T23=2 142.535	135.287 139.048 142.535 139.892	139.048 142.535 139.892 143.719 144.274
T22=1 T22=2 T22=3 T22=4 T12=0 T12=1	102.806 Y23m0 129.729 141.061	T= 4 T23=1 129.729 129.036 T= 4 4 T23=1 139.790 150.299	T22 T23 4 T23=2 137.063 139.790 135.287 T12 0 4 T23 4 T23 4 T23=2 142.535 153.547	135.287 139.048 142.535 139.892 T2343 143.719 154.997	139.046 142.535 139.892 143.719 144.274
T22=1 T22=2 T22=3 T22=4 T12=0 T12=1 T12=2	723m0 129.729 141.061 143.138	T= 4 T23=1 129.729 129.036 3 T= 4 4 T23=1 139.790 150.299 152.809	T22 T23 4 T23=2 137.063 139.790 135.287 T12 0 4 Y23 4 Y23 4 Y23 142.535 153.547 156,014	135.287 139.048 142.535 139.892 723*3 143.719 154.997 157.612	139.048 147.535 139.892 143.719 144.274 723.4 144.274 155.290 157.866
T22=1 T22=2 T22=3 T22=4 T12=0 T12=1	102.806 Y23m0 129.729 141.061	T= 4 T23=1 129.729 129.036 T= 4 4 T23=1 139.790 150.299	T22 T23 4 T23=2 137.063 139.790 135.287 T12 0 4 T23 4 T23 4 T23=2 142.535 153.547	135.287 139.048 142.535 139.892 T2343 143.719 154.997	139.048 142.535 139.892 143.719 144.274 723.4 144.274 155.290
T22=1 T22=2 T22=3 T22=4 T12=0 T12=1 T12=2	723m0 129.729 141.061 143.138	T= 4 T23=1 129.729 129.036 3 T= 4 4 T23=1 139.790 150.299 152.809	T22 T23 4 T23=2 137.063 139.790 135.287 T12 0 4 Y23 4 Y23 4 Y23 142.535 153.547 156,014	135.287 139.048 142.535 139.892 723*3 143.719 154.997 157.612	139.048 147.535 139.892 143.719 144.274 723.4 144.274 155.290 157.866
T22=1 T22=2 T22=3 T22=4 T12=0 T12=1 T12=2	723m0 129.729 141.061 143.138	T= 4 T23=1 127.729 127.036 3 T= 4 T23=1 139.79 150.299 152.809 155.111	T22 T23 4 4 T23=2 137.063 139.790 135.287 T12 0 4 Y23 4 4 T23=2 142.535 153.547 154.014 158.436	135.287 139.048 142.535 139.892 723*3 143.719 154.997 157.612	139.048 147.535 139.892 143.719 144.274 723.4 144.274 155.290 157.866
T22=1 T22=2 T22=3 T22=4 T12=0 T12=1 T12=2	723m0 129.729 141.061 143.138	T= 4 T23=1 129.729 129.036 3 T= 4 4 T23=1 139.790 150.299 152.809 155.111	T22 T23 4 4 T23=2 137.063 139.790 135.287 T12 0 4 Y23 4 4 T23=2 142.535 153.547 156.014 158.436	135.287 139.048 142.535 139.892 723*3 143.719 154.997 157.612	139.048 147.535 139.892 143.719 144.274 723.4 144.274 155.290 157.866
T22=1 T22=2 T22=3 T22=4 T12=0 T12=1 T12=2	723m0 129.729 141.061 143.138	T= 4 T23=1 129.729 129.036 3 T= 4 T23=1 139.790 150.299 150.299 155.111	T22 T23 4 T23=2 137.063 139.790 135.287 T12 0 4 T23 4 4 T23=2 142.535 153.547 156.014 158.436 T12 T13 4 4	135.287 139.048 142.535 139.892 723*3 143.719 154.997 157.612	139.048 147.535 139.892 143.719 144.274 723.4 144.274 155.290 157.866
T22=1 T22=2 T22=3 T22=4 T12=0 T12=1 T12=2	723m0 129.729 141.061 143.138	T= 4 T23=1 129.729 129.036 3 T= 4 T23=1 139.790 150.299 150.299 155.111	T22 T23 4 T23=2 137.063 139.790 135.287 T12 0 4 T23 4 4 T23=2 142.535 153.547 156.014 158.436 T12 T13 4 4	135.287 139.048 142.535 139.892 723*3 143.719 154.997 157.612	139.048 147.535 139.892 143.719 144.274 723.4 144.274 155.290 157.866
T22=1 T22=2 T22=3 T22=4 T12=0 T12=1 T12=2 T12=3	102.806 Y23=0 129.729 141.061 143.138 145.397	T= 4 T23=1 129.729 129.036 3 T= 4 T23=1 139.790 150.299 152.809 155.111 T= 4 T12=1	T22 T23 4 T23=2 137.063 139.790 135.287 T12 0 4 T23 4 T23=2 142.535 153.547 156.014 158.436 T12 T13 4 4 T12=2	135.287 139.048 142.535 139.892 T23*3 143.719 154.997 157.612 160.081	139.048 142.535 139.892 143.719 144.274 144.274 155.290 157.866 160.405
T22=1 T22=2 T22=3 T22=4 T12=0 T12=1 T12=2 T12=3	102.806 123.0 129.729 141.061 143.138 145.397	T= 4 T23=1 129.729 129.036 3 T= 4 T23=1 139.790 150.299 152.809 155.111 3 T= 4 T12=1 155.290	T22 T23 4 T23=2 137.063 139.790 135.287 T12 0 4 T23 4 T23=2 142.535 153.547 156.014 158.436 T12 T13 4 4 T12=2 157.866	135.287 139.048 142.535 139.892 T23*3 143.719 154.997 157.612 160.081	139.048 142.535 139.892 143.719 144.274 144.274 155.290 157.866 160.405
T22=1 T22=2 T22=3 T22=4 T12=0 T12=1 T12=2 T12=3	102.806 Y23=0 129.729 141.061 143.138 145.397	T= 4 T23=1 129.729 129.036 3 T= 4 T23=1 139.790 150.299 152.809 155.111 T= 4 T12=1	T22 T23 4	135.287 139.048 142.535 139.892 723*3 143.719 154.997 157.612 160.081	139.048 142.535 139.892 143.719 144.274 144.274 155.290 157.866 160.405
T22=1 T22=2 T22=3 T22=4 T12=0 T12=1 T12=2 T12=3	102.806 Y23=0 129.729 141.061 143.138 145.397	T= 4 T23=1 129.729 129.036 3 T= 4 T23=1 139.790 150.299 152.809 155.111 3 T= 4 T12=1 155.290	T22 T23 4 T23=2 137.063 139.790 135.287 T12 0 4 T23 4 T23=2 142.535 153.547 156.014 158.436 T12 T13 4 4 T12=2 157.866	135.287 139.048 142.535 139.892 T23*3 143.719 154.997 157.612 160.081	139.048 142.535 139.892 143.719 144.274 144.274 155.290 157.866 160.405

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND 6 DID OPPORTUNITIES REMAINING

		4	0 0		
		T= 4	0 0		
		4	T32 T33		
	T32mf	T 12=1	T32=2	732=3	T32=4
T33=0	98.072	162.360	147.180	171,483	160.405
T33+1		101.700	167.180 104.441	171,483 171,483	140.405
T33#2 T33#3			1177 + 4 7 1	106.572	140.405
T33#4					107.066
		4	0 0		
		T= 4			
		4	4 T33		
	733=0	T33=1	733=2	T13=3	T33#4
722e1	118.348	121.849	124.434	125.454	125.700
T22=2	121.047	124,694	127.537	128,866	129.143
122=3 122=4	123.482 124.595	124,889	127.817 132.457	131,227	111.539
IZAMT	17/14/14/1	17.740114		1331	1,1.41,4
		4	T12 0		
		T = 4	4 O 4 T33		
	7	• • • • •		1-1	T33=4
T 1 2 0	T33=0 126.595	129,689	733=2 132.457	T33#3 133,883	134.175
T12=0 T12=1	138.704	141.541	143.777	144.739	144.943
11207	139.975	143,129	145.610	146,731	144.959
T12=3	141.7A9 145.146	144,945	147.652 151.008	148.863 152.303	149.111 152.571
11287	1424140	170.375	171,000	1921000	1901071
		4	0 0		
		T= 4	T22 T23		
					9.0
× = 2 0	T23=0	723#1 134.175	723=2	723=3 139,878	723=4 143.693
122=0 122=1	107.066	133.654	141.658	143.693	147.17R
122=2			139,878	147.178	144.592
T22=3 T22=4				144,592	149.187
12207					
		4			
		Y= 4	4 T23		
	,	,	•		****
742.0	773m0	T23=1	T23=2	T73=3 148.432	T23=4
T12=0 T12=1	134.175	144,461	147,178 154,973	158.394	158.774
T12=2	146.959	146.408	159.469	141.137	141.462
712=3 712=4	149.1(1 152.571	158,522	_	143.600	163.770
11284	172.5/1			(964.0)	10.44.0
		4.			
		T= 4			
	745-5			T. 3-1	T + 2=4
T 1 3=0	T12=D 149.187	112=1 158,774	T12=2 161.462	T12#3 143.990	T12=4
713=1	* 77 * 1 7 /	165.155		170.487	173.051
113=2			170.080	172,543	175,143
713=3 713=4				174.423	177.035
T13=4					17.4177

EXPECTED INCREASE IN ASSETS, 1000+5 OF \$2 YEARS AND 7 BID OPPORTUNITIES REHAINING

		ı	0 0		
		Y= 4	0 0		
		4 1	732 T33		
	T32=0	T32#1	T32=2	T3 2=3	T32#4
T33=0	69.939	168,491	173.699	178.361	183.990 183.990
T33#1		94.360	173.699 97.264	178.361 178.361	183.990
733=2 733=3			77420	78.247	183.990
733=4					98.503
		1	0 0		
		_	T22 0		
		4	4 T33		
	5 • • • • •	7.3	T33=2	733=3	T33=4
	T33=0	733=1 114.231	116.352	117,136	117,368
T22=1 T22=2	110.701 113.263	116.641	110,332	119.647	117.875
722=3	115.746	118,837	121,021	121.818	122.030
T22=4	119.517	122.221	124.358	125.109	125 • 27 1
		1	T12 0		
		T= 4	4 0		
		4	4 T33		
	T33=0	T33=1	T33=2	T33=3	T33=4
		122,221	124,358	125.109	125.271
T12=0 T12=1	117.517	135.646	137.544	138,211	138.363
		-	•		
		1	0 0		•
		7= 4	T22 T23		
		•	_	1-1	¥23±4
	T23=0	T73=1	723=Z	123=3	133.864
T22=0	98.503	125,271	131.978 135.083	130.364	137.565
T2Z=1 T2Z=2		124.487	130.364	137.565	134.313
T22=2			10000	134,313	138-137
722=4					138,421
		ĭ	T12 0		
		T= 4	4 T23		
		4	4 4		
	T 23=0	T23=1	T23=2	T 23=3	T23=4
743-8	125.271	135.083	137.565	138.137	138.421
T12=0 T12=1	138.363	147,238	150.223	150.893	151+100
		1	T12 T13		
		T= 4	4 4		
		•			7:3-4
	T12=0	T12=1	T 1 2=2	T t 2 = 3	T12#4
T13=0	138.421	151.100			
713=1		159.519			

EXPECTED INCREASE IN ASSETS, 1000+5 OF \$ 2 YEARS AND 7 BID OPPORTUNITIES REMAINING

_	-			
		2 0 0		
		T= 4 0 0		
		4 732 733		
	T32=0	T32=1 T32=2	T32=3	T32=4
T33=0	90.721	159,519 150,223	150.893 150.893	151.100 151.100
T33≈1 T33≈2		95.423 150.223 99.164	150.893	151.100
T33=3		, , , , ,	100.715	151.100
T33=4				101.079
		2 0 0		
		T= 4 T22 D		
		4 4 733		
	T33=0	T33=3 T33=2	T33=3	733=4
T22=1	112.184	116.093 118.579	119,433	119.673
T22=2	114.709	118,707 121,331 120,947 123,660	172,332 124,734	122.567
T22=3 T22=4	117.303 120.785	124.007 124.600	127.726	127.940
		2 T12 D Tm 4 4 D		
		4 4 733		
	702-0	T33=1 T33=2	T33=3	T33=4
* 1 2	T33=0 120•785	733=1	127.726	127.940
T12=0 T12=1	134.542	137,311 139,422	140.218	140.384
T12=2	135.955	138.927 141.29A	142.756	142.445
		2 0 0		
		T# 4 T22 T23		
		4 4 4		
	T23=0	T23=1 T23=2	773=3	T23=4
T22=0	101-079	127.940 134.913	133,119	136.700 140.287
T22=1		127.294 137.885 133.119	136.700	137.175
T22=2 T22=3		1.15411.	137.175	140.994
T22=4				141.305
		2 712 0		
		T= 4 4 T23		
		4 4 4		
	T23=0	T23=1 T23=2	723#3	T23=4
T12=0	127.940	137.885 140.287	140.994	141.305
T12=1	140.384	149.835 152.847 152.298 155.299	153.994 156.601	154.143 156.730
T12=2	142.445	152.29A 155.299	1301001	• /• •
		2 712 713		
		* ■ 4 4 4		
				. 41
	T12=0	Ti7=1 Ti2=2	T12=3	T12=4
T13#0	141.305	154,143 156,730 162,953 165,724		
T 1 3 = 1 T 1 3 = 2		162.953 165.724 167.827		
– =				

EXPECTED INCREASE IN ASSETS, 1000°S OF S 2 YEARS AND 7 RID OPPORTUNITIES REMAINING

	- 12	, 19.4°C, 40.4°C			•
		3	0 0		
		Y= 4	0 0		
		4 T	32 733		
	T32=0	732=1	Y32=2	T32=3	T32=4
111-0					156.730
133=0 133=1	94.303	162.753 77.394	167,627 167,827	156,601 156,601	156.730
733#2		,,,,,,,	101.469	156.401	156.730
T33#3				103.579	156.730
T33+4					104.038
		_			
		3	0 0		
		T= 4 T:			
		4	4 733		
	T33=0	T33=1	T33=2	733=3	T33=4
722=1	114.531	118,287	121.104	122.082	122.323
T22#2	117.115	120.909	123,933	125,138	125.304
T22+3	119.759	123,214	126,378	127.702	127.964
T22=4	123.178	126,264	129.323	130.475	130.727
		3 7	12 0		
		T= 4			
		, - 4	4 0 4 733	14	
		,	, , , , ,		
	T33=0	T33=1	T33=2	733=3	T33=4
T12=0	123.178	126.246	124,323	130.475	130.929
T12=1	136.848	139,572	141.717	142.574	142.761
T12=2	138.184	141,241	143,644	144,646	144.854
112=3	140.166	143,252	145,864	146,756	147,182
		3	0 0		
		T= 4 T	22 723		
		4	4 4		
	T23=0	T23=1	T23=2	723=3	T23=4
T22=0	104.038	130,929	138.016	136.100	139.809
722=1 722=2		130,155	140.078	139,809 143,349	140.550
T22=3			.30,100	140.550	144.387
T22=4				• •	144.874
		_	12 0		
		T= 4	4 T23		
		4	4 4		
	T23=0	T23=1	T23=2	723=3	T23=4
112=0	130.929	140.678	143.349	144.389	144.874
T12=1	142.741	152.009	155,363	156.641	156.844
T12=2	144.854	154,538	157.863	159,299	159.475
T 2 = 3	147.182	156,936	160.364	161.711	167.135
		3 T	12 T13		
		To 4	4 4		
		4	4 4		
	_				_
	T12=0	T12=1	T12=2	T12=3	712=4
713=0	144.874	156.844	159.475	142.135	
713=1		165,448	168.352	170.757	
T13=2			170.571	173.003	
T!3=3				175.140	

EXPECTED INCREASE IN ASSETS, 1000*5 OF \$2 YEARS AND 7 BID OPPORTUNITIES REHAINING

T12=0 T12=1 T32=7 T32=3 T32=4 T33=0 99.565 165.446 170.67! 175.140 162.135 T33=1 173.142 170.67! 175.140 167.135 T33=1 173.142 170.67! 175.140 167.135 T33=3 105.866 175.140 167.135 T33=4			4 0 0		
T33=0 73=0 73=0 73=0 73=1 73=1 73=1 73=1 73=2 73=2 73=3 73=1			-		
T33=0 T33=0 T33=1		T 1 2 = D		T12=3	732=4
T13=1	133=0				
T33=3 T33=4	_		103,142 170,521		147.135
T33=#			105.888		
T					107.510
T33=0 T33=0 T33=1 T33=1 T33=2 T33=3 T33=4 T22=1 119-R87 123-438 124-R32 135-S57 141-134 135-S90 135-S57 142-11 141-053 143-R00 145-R33 144-R34 147-R35 148-R34 147-R35 148-R34 147-R35 148-R34 147-R35 148-R34 147-R35 148-R34 147-R35 148-R34 147-R35 148-R36 151-R36			4 O O		
T33=0 T33=1 T33=1 T33=1 T33=1 T33=2 T33=3 T33=4 T22=1 110.882 122.416 122.438 124.086 127.075 130.197 130.406 T27=3 124.892 127.498 124.086 127.075 130.197 130.406 T27=3 124.892 127.498 131.177 133.967 135.290 135.557 4 T12 0 T= 4 4 0 4 4 T33 T33=3 T33=4 T12=0 T12=1 T13=2 T33=3 T33=4 T13=1 T33=2 T33=3 T33=4 T33=3 T33=4 T12=0 T33=0 T33=1 T33=1 T33=2 T33=3 T33=4 T33=3 T33=4 T33=4 T33=0 T33=1 T33=1 T33=3 T33=4 T33=3 T33=4 T33=4 T33=3 T33=4 T33=3 T33=4 T33=4 T33=3 T33=4 T33=6 T33=1 T33=1 T33=3 T33=4 T33=4 T33=3 T33=4 T43=1 T44.813 T44.813 T44.814			*		
T22=1 119.882 173.438 126.038 177.053 127.296 T22=2 122.416 126.086 128.905 130.197 130.466 T27=3 124.892 178.237 131.134 132.494 132.784 T27=4 178.188 131.177 133.907 135.290 135.557 4 T12 0 T= 4 4 0 4 4 T33 T33=0 T33=1 T33=2 T33=3 T33=4 T12=0 128.188 131.177 133.907 135.290 135.557 T12=1 141.053 143.800 145.933 146.824 147.010 T12=2 142.396 145.443 147.816 148.861 149.069 T12=3 144.314 147.385 149.936 151.088 151.313 T12=4 147.971 151.065 153.601 154.803 155.044 T23=0 T23=1 T23=2 T23=3 T23=4 T23=0 T23=1 T23=2 T23=3 T23=4 T22=0 108.510 135.557 142.875 141.054 144.814 148.327 T22=2 148.064 135.063 145.798 144.814 148.327 T22=3 T22=4 4 4 4 T23=0 T23=1 T23=2 T23=3 T23=4 T12=0 135.557 145.798 148.327 149.454 150.112 T23=0 T23=1 T23=2 T23=3 T23=4 T12=0 135.557 145.798 148.327 149.454 150.112 T23=1 147.010 156.033 159.175 140.319 146.625 T12=2 149.069 158.557 145.798 148.327 149.454 150.112 T12=3 151.313 140.836 144.145 145.469 145.997 T12=4 149.014 164.483 167.632 169.373 169.720 T12=4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			4 4 723		A D
T22=2					
T27=3	-	* *			-
T12=0				132.494	
Type 4 4 733 Type 4 4 733 Type 6 4 733 Type 6 7 73 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	127=4	178.188	131.177 133.967	135.290	135.557
T33=0 T33=1 T33=1 T33=2 T33=3 T33=4 T12=0 128-188 131,177 133,907 135,290 135,557 T12=1 141,053 143,800 144,933 144,831 147,385 149,936 151,088 151,031 T12=4 147,971 151,065 153,601 154,803 155,044 T23=0 T23=0 T23=1 T23=1 T23=2 T23=3 T23=4 T23=1			·		
T13m0 T13m1 T13m2 T13m3 T33m4 T12m0 12m1 141.053 143.8C0 145.933 146.824 147.010 T12m2 142.396 145.443 147.816 146.841 149.069 T12m3 144.314 147.385 149.976 151.088 151.313 T12m4 147.971 151.065 153.601 154.803 155.044 T23m0 T23m1 T23m2 T23m3 T23m4 T22m0 108.510 135.557 142.875 141.054 144.814 148.327 T22m1 135.013 145.798 144.814 148.327 T22m2 172m3 T22m4 4 4 4 T12m3 T23m0 T23m1 T23m2 T23m3 T23m4 T12m4 T12 0 Tm 4 T23 4 4 4 T12m1 147.010 156.033 159.175 140.319 160.626 T12m1 147.010 156.033 159.175 140.319 160.626 T12m1 147.010 156.033 159.175 140.319 160.626 T12m1 155.044 164.483 167.632 169.373 169.720 4 T12m1 T12m1 T12m2 T12m3 T12m4 T12m0 T12m1 T12m2 T12m3 T12m3 T12m4 T12m0 T12m1 T12m2 T12m3 T12m4 T13m0 150.117 160.626 163.351 165.997 T13m1 168.491 171.497 173.932 176.9720			· ·		
T12mC		733-0		11383	733=4
T12=1	T12#0	-	·	-	
T12=3	T12=1	141+053	143.800 145.933	146.824	
T12=4 147.971 151.065 153.601 154.803 155.044 4 0 0 T= 4 T22 T23 H 4 4 T22=0 108.510 135.557 142.875 141.054 144.814 172=1 135.013 145.798 144.814 148.327 172=2 141.054 145.825 145.625 172=3 72=4 T23=0 T23=1 T23=2 T23=3 T23=4 T12=0 135.557 145.798 148.327 145.625 145.825 149.454 150.112 T12=0 135.557 145.798 148.327 149.454 150.112 T12=1 147.010 156.033 159.175 140.319 160.626 T12=2 149.069 158.557 161.707 163.090 163.351 T12=3 151.313 140.836 164.145 165.669 165.947 T12=4 155.044 164.483 167.632 169.373 169.720 T13=6 150.117 160.626 163.351 165.947 169.720 T13=1 150.117 160.626 163.351 165.947 169.720 T13=2 176.864 171.497 173.932 176.864 T13=2 173.699 176.222 179.205 T13=3 176.864					
Te 4 T22 T23 4 4 4 T23=0 T23=1 T23=2 T23=3 T23=4 T22=0 108+51C 135+557 142+875 141+054 144+814 T22=1 135+G13 145+798 144+814 148+327 T22=2 141+054 148+327 145+625 T22=3 T22=3 T23=3 T23=3 T23=0 T23=1 T23=2 T23=3 T23=4 T12=0 135+557 145+798 148+327 149+454 150+112 T12=1 147+010 156+633 159+175 140+319 160+626 T12=2 149+069 158+557 141+707 163+090 163+351 T12=3 151+313 160+836 164+145 165+669 165+947 T12=4 155+044 164+483 167+632 169+373 169+720 T13=6 T12=1 T12=1 T12=2 T12=3 T12=4 T13=C T12=1 T12=1 T12=2 T12=3 T12=4 T13=C T13=1 T12=2 T12=3 T12=4 T13=C T13=1 T13=2 T13=3 T12=4 T13=C T13=1 T12=2 T13=3 T12=4 T13=C T13=1 T13+699 176+722 179+205 T13=2 T13=3 T78+891 171+492 173+932 176+864 T13=2 T13=3 T78+891 171+492 173+932 176+864 T13=2 T13=3 T78+891 171+492 173+932 176+864	· .				155.044
T23m0 T23m1 T23m2 T23m4 T22m0 108*510 135*557 142*875 141*054 144*814 T22m1 135*613 145*798 144*814 148*327 T22m2 141*054 148*327 145*625 T22m3 141*054 148*327 145*625 T22m4 T12 0 Tm 4 T12 0 Tm 4 T23 4 T23 T23m0 T23m1 T23m2 T23m3 T23m4 T12m0 135*557 145*798 148*327 149*454 150*112 T12m1 147*010 156*033 159*175 140*319 160*626 T12m2 149*049 158*557 161*707 163*090 163*351 T12m3 151*313 140*836 164*145 165*669 165*947 T12m4 4 4 4 T12m6 T55*044 164*483 167*632 169*373 169*720 T13m6 150*117 160*626 163*351 165*947 169*720			4 B C		
T23m0 T23m1 T23m2 T23m3 T23m4 T22m0 108.510 135.557 142.875 141.054 144.814 T22m1 135.013 145.798 144.814 148.327 T22m2 141.054 148.327 145.625 T22m3 141.054 148.327 145.625 T22m4			= = = = = = = = = = = = = = = = = = = =		
T22=0 108.51C 135.557 142.875 141.054 144.814 172=1 135.613 145.798 144.814 148.327 172=2 141.054 148.327 145.625 172=3 141.054 148.327 145.625 172=4 T12=0 T23=1 T23=2 T23=3 T23=4 T12=0 135.557 145.798 148.327 149.454 150.112 T12=1 147.010 156.033 159.175 140.319 160.626 T12=2 149.049 158.557 161.707 163.090 143.351 T12=3 151.313 140.836 164.145 165.669 165.947 T12=4 155.044 164.483 167.632 169.373 169.720 T12=4 150.112 160.626 163.351 165.947 169.720 T13=1 T12=0 T12=1 T12=2 T12=3 T12=4 T13=C 150.112 160.626 163.351 165.947 169.720 T13=1 T13=2 T13.699 176.722 179.205 T13=3 173.699 176.722 179.205			4 4 4		4
172=1 172=2 172=2 172=3 172=4 173=4			• • • • • • • • • • • • • • • • • • • •	·	
T72=2 T72=3 T72=4 4 T12 0 T= 4 4 T23 4 4 4 T12=0 T12=0 T35.557 T45.798 T47.010 T50.112 T12=1 T12=2 T12=3 T12=3 T12=3 T12=3 T12=4 T13=6 T12=1 T12=1 T12=0 T12=1 T12=1 T12=2 T12=3 T12=4 T13=0 T12=1 T12=1 T13=0 T12=1 T13=2 T13=3 T45.625 T49.454 T50.112 T40.625 T40.625 T40.625 T40.625 T40.625 T40.625 T40.625 T40.625 T40.626 T		105.510			•
T22=4 T12 O T=	172=2			- · ·	
# T12 0 Tm # H T23 # H H H H H H H H H H H H H H H H H H H				145.075	
T= 4 4 723 4 4 4 7 T23=0 T23=1 T23=2 T23=3 T23=4 T12=0 135.557 145.798 148.327 149.454 150.112 T12=1 147.010 156.033 159.175 140.319 160.626 T12=2 149.069 158,557 161.707 163.090 163.351 T12=3 151.313 160.836 164.145 165.669 165.947 T12=4 155.044 164.483 167.632 169.373 169.720 4 T12 T13 T= 4 4 4 4 4 4 4 T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 150.117 160.626 163.351 165.947 169.720 T13=1 168.491 171.492 173.932 176.864 T13=2 173.699 176.222 179.205 T13=3 176.361 101.371	.,		и Т 12 л		
T23=0 T23=1 T23=2 T23=3 T23=4 T12=0 135.557 145.798 14F.327 149.454 150.112 T12=1 147.010 156.033 159.175 140.319 160.626 T12=2 149.069 158,557 161.707 163.090 163.351 T12=3 151.313 160.836 164.145 165.669 165.947 T12=4 155.044 164.483 167.632 169.373 169.720 4 T12 T13 T= 4 4 4 4 4 4 4 4 4 4 712 T13 T= 4 4 9 1 713=0 T12=1 T12=2 T12=3 T12=4 T13=0 150.117 160.626 163.351 165.947 169.720 T13=1 168.491 171.492 173.932 176.864 T13=2 173.699 176.722 179.205 T13=3 176.361 101.341					
T12=0 135.557 145.798 148.327 149.454 150.112 T12=1 147.010 156.033 159.175 140.319 160.626 T12=2 149.069 158.557 161.707 163.090 163.351 T12=3 151.313 140.836 164.145 165.669 165.947 T12=4 155.044 164.483 167.632 169.373 169.720 4 T12 T13 T= 4 4 4 4 4 4 4 T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 150.112 160.626 163.351 165.947 169.720 T13=1 168.491 171.492 173.932 176.864 T13=2 173.699 176.222 179.205 T13=3 178.361 101.391			4 4 4		
T12=1 147.010 156.033 159.175 140.719 160.626 T12=2 149.069 158,557 161.707 163.090 163.351 T12=3 151.313 140.836 164.145 165.669 165.947 T12=4 155.044 164.483 167.632 169.373 169.720 4 T12 T13 T= 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		T23=0	T21=1 T23=2	T 2 3 = 3	T23=4
T12=2 149.069 158,557 161.707 163.090 163.351 T12=3 151.313 160.836 164.145 165.669 165.947 T12=4 155.044 164.483 167.632 169.373 169.720 4 T12 T13 T= 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	-	_	•	· · · • _	
T12=3 151.313 140.836 164.145 165.669 165.947 T12=4 155.044 164.483 167.632 169.373 169.720 4 T12 T13 T= 4 4 4 4 4 4 T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 150.117 160.426 163.351 165.947 169.720 T13=1 168.491 171.492 173.932 176.864 T13=2 173.699 176.722 179.205 T13=3 178.361 101.341					143.351
T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 T12=1 T12=2 T12=3 T12=4 T13=0 150-117 160-626 163-351 165-947 169-720 T13=1 168-491 171-492 173-932 176-864 T13=2 173-699 176-722 179-205 T13=3 178-361 101-341	T12=3	151.313	140,836 144.145	165.669	
THE 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	T 1 2 = 4	155.044		169.373	1844720
T12=0 T12=1 T12=2 T12=3 T12=4 T13=0 150-117 160-626 163-351 165-947 169-720 T13=1 168-491 171-492 173-932 176-864 T13=2 173-699 176-722 179-205 T13=3 178-361 101-341					
T13MC 150*117 160*626 163*351 165*947 169*720 T13M1 168*491 171*492 173*932 176*864 T13M2 173*699 176*722 179*205 T13M3 178*361 101*341					
T13MC 150*117 160*626 163*351 165*947 169*720 T13M1 168*491 171*492 173*932 176*864 T13M2 173*699 176*722 179*205 T13M3 178*361 101*341		T12=0	Tj2=1 T12=2	112=3	T12=4
T13=1 168.491 171.492 173.932 176.864 T13=2 173.699 176.722 179.205 T13=3 178.361 101.341	113=C			145.947	169.720
T13=3 178,361 101.341					
7	_		173,677		
	-			•	

EXPECTED INCREASE IN ASSETS, 1000+5 OF \$ 2 YEARS AND 8 PID OPPORTUNITIES REMAINING

	2 TEARS AND	o min	OFFURIUNITI	Co MEMBINIA	•
		ĭ	0 0		
		T= 4	0 0		
		4	T32 T33		
	T32=0	732=1	T32=2	T32=3	T32=4
T33=0	90.886	171,251	176.584	181,467	187.828
733=1	744084	95.489	176.584	181.467	187.828
T33=2		, 30 , ,	98.237	181.467	187.828
T33=3			-	99.118	187.828
T33=4					99.35 R
		1	0 0		
		7m 4	T22 0		
		4	4 733		
	T33=0	(22-1	793-9	733=3	T33=4
T22=1	111.867	115.119	133 -2 117.101	117.856	118.090
722-2	114.227	117.528	117.514	120.335	120.548
T22=3	116.759	119.782	121.822	122,566	122.764
T22=4	120.581	123,237	125.241	125.935	126.085
		1	T12 0		
		T= 4	4 0		
		4	4 733		
		`			**
	T33=0	T33=1	T33=2	733=3	T33=4
T12=0	120.561	123,237	125,241	125,935	126.085
T12=1	134.878	137,382	139.165	139.759	139.894
		1	0 0		
		T= 4	T22 T23		
		4	4 4		
	723=0	T23=1	723=2	T23#3	T23=4
T22=0	99.358	126.085	132,601	130.402	134.266
T22=1	7	175.232	135.811	134.266	138.000
T22=2			130.802	138.000	134.634
722=3				134.634	138.464
T22=4					138.709
		1	T12 0		
		T= 4	4 T23		
		4	4 4		
	723=0	723=1	723=2	T 23 = 3	T23=4
T12=0	126.085	135,811	138.000	138.464	138.709
T12=1	139.894	148.A11	151.766	152,349	157.500
			T12 Y12		
		1	T12 T13		
		T= 4	4 4		
		•			<u></u>
	T12=0	T12=1	T 1 2= 2	¥12=3	112=4
T13=0	138.709	152,500			
T13=1		162,262			

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND A PID OPPORTUNITIES REMAINING

			0		
		T= 4 (0 7		
	T32=0	T32=1	T32=2	T32=3	Y32#4
T33=0	91.537		51.766	152.349	152,500
133=1 133=2			151 ₄ 766 100+339	152.349 152.349	152.500 152.500
T33=3		•		101.769	152.500
T33=4					197.106
		7 (ח כ		
		T= 4 T2	_		
		4 4	+ T33		
	T33=9	T33=1	T33=2	733=3	T33=4
T22=1	113.190		19.521	120.317	120.541
T22=2 T22=3	115.697 118.328		122.247 124.628	123.178 125.621	123.397
T 2 2 = 4	121.890		27.679	128.718	129.917
		2 T12	? a		
		4 4	133		
	T33=0	733=1	T33=2	T33=3	T33=4
T12=0	121.890	125.143	27.679	128,718	128.917
T12=1	136.226		141.017	141,755	141.902
T 1 2 = 2	137,696	140.616	147.919	143.816	143,983
			מ כ		
			2		
	_				"
	T23*0	T23=1	123#2	T23=3	T23=4
T22=0 T22=1	102+106	* *	35.558 38.451	133,596 137,112	137.112
772=2		• • •	133.596	140.757	137.566
T22=3				137.566	141.403
T22=4					1414/03
		2 11:			
		•	4		
					#
	T23m0	T 2 3 = 1	173#?	T23=3	T23=4
T12=0 T12=1	120.917 141.902		140•757 154•382	141,403 155,271	141.703 155.372
T12=2	143.783		154.878	157.924	158.011
		2 T1	2 713		
			4 4		
		•	4 4		
	T12#0	T j 2=1	T12=2	T12#3	T12=4
T:3=0	141.703		158.011		
T13=1		-	64.275		
$T \mid 3 = 2$			170.525		

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND 8 BID OPPORTUNITIES REMAINING

		3	o o '		!
		T= 4	0 0 T32 T33		
	T32=0	T32=i	T32=2	732=3	,T32=4
T33=0	95.388	165,524	170.525	157.924	158.011
T33=1 T33=2		98,400	170,525	157.924 157.924	150.011
133=3			102.716	104,754	158.011
T 3 3 = 4					105.173
		3	0 0	. ;	1
		T= 4			
		4	4 733	1	1
	T33=0	133=1	T33=7	733=3	1733#4
T22=1 T22=2	115.649 118.214	119,411	127,217	123,171	123,416
T22=3	120.848	124,338	127.470	128,722	128,972
T22=4	124.356	127.447	130.495	131.800	132.032
		3	T12 0		
•		Tm '4	4 0		
		4	4 T33		
	T33=0	T33=1	T33#2	133=3	Y33#4
T12=0 T12=1	124,356 138,626	127,447	130.495	131,500	132.032
T12=2	140.024	142.986	145.326	146.281	146.475
T12=3	142.10A	145.388	147.607	148,652	148.862
		3	0 Ó		
		T= 4	T22 T23		
	300 0		•	, 3-3	* -1-#
T22=0	723=0 105-173	132,032	T23=2 138.859	723=3 136.817	140.478
T22=1	1034173	131.145	141.842	140.478	144.067
Y2Z=2			136,817	144.067	141.126
T22=3 T22=4				141.126	144.978
		. 3	T12 0		
		T= 4	4 723		
		4	4 4		•
	T23=0	T23=1	T23=2	723=3	T23=4
T12=0	132.032	141.842	144.067	144.778	145.433
112=1 112=2	144.349 146.475	153.639	156.962 159.498	157.984 140.479	158.125
T12=3	148.862	158.610	162.098	143.446	163.602
		3	T12 T13		
		T= 4	4 4		
		4	4 4		
	112=0	T.(2=1	T12=2	712=3	T12=4
T13=0	145.433	158,125	160.801	163.602	
T13=1 T13=2		168.902	170.874 173.189	173,337 175,720	:
T13=3			1.4410.	178,036	•

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND 9 910 OPPORTUNITIES REMAINING

1		· · · · · · · · · · · · · · · · · · ·		. (
	•	4 O O		• 1
		Tu 4 0 0		
		4 ¹ T 3 Z T 3 3 .		
	'			132=4
:	T12=0	T12=1 T12=2	T.32#3	_
T33=0	100.874	148.002 173.189	178.036	143.602
733=1		194.441 1736189	178.036	163.602
133=2		107.234	178.036	167.607
T33=3	,	1	109.420	143.602
733#4	:			109.834
		4 0 0		
		1		
	1	T= 4 T22 D		
	i	4 4 733	i	:
	T13=0	T33=1 - T33=2	T 3 3 = 3	T33#4
T 0 2 - 1			128.416	128.657
T22=1	121.197	124.907 127.406	131.339	131.599
T22=2	123.620	127.304 130.097 129.490 132.344	133,453	133.922
T 7.2 = 3	120.154	132.532 135.244	136.577	136.822
T 2 2 = 4	1271002	1164-32 13342-4	. 10.	1 110 4 112 4
		4 T12: 0	•	
	l .	Y= 14 4 0 ,		
		4 14 T33	,	•
		,1		
1 1	T33=0	T33=1 T33=2	733=3	T33=4
T12=0	129.602	132,532 135.244	136.577	136.822
112=1	143.173	145.436 147.474	148,497	148.870
T12=2	144.571	147.530 149.812	150.795	150.975
T12=3	144.6[4	149.577 152.041	153.101	153.30F
T12=4	150.517	153,489 155.922	157.047	157.264
1	,	•		
		400,		
		T= 4 T72 T23		
		4 4 4		1
	T 2 3 = 0	703-4 70303	T23#3	723=4
		T23=1 T23=2		145.789
T22=0	179.834	.136,822 143,952	142,083	149,333
122=1		136,189 146,954	145.789 149.333	146.511
T22=2		142.ga3	146.511.	150.334
722=3			1401011	150.904
T22=4	, 1		1	
1 .		4 T 1 2 0		1
		Tut 4 4 T23	•	
		4 4 4		
			•	
	T23=0 1	173#1 173#2	723=3	723m4
T12=0	136.822	146,954 [49.333	150.334	150,904
T12=1	148.870	157.286 161.096	142.031	167.274
T12=2	150.975	160,531 163,660	164.920	145.074
T12=3	· 153.308	162.955 166.196	167.473	147.698
T12=4	157.266	186.480 169.939	171.387	171.640
:		1		,
•		4 T12 T13		
!		Y== 4 4 4	ı	
	•	4 4 4		
	_,			7.3-4
*	T12=0	Y12=1 ; Y12=2	T12=3	712=4
Y13=0	150.904	162.274 165.024	147.698	171.640
T:3=1		171.751 174.224	176.713	179.980
T13=2		176.584	179.148	182.474
113=3			181.467	184,775
T13m4	•			187.825
		:		

EXPECTED INCREASE IN ASSETS, 1000 S OF S 2 YEARS AND 9 RID OPPORTUNITIES REMAINING

					. 4
		1	0 0		
		T= 4	0 0		
		4	T32 T33		
	T32=0	T32=1	T32#2	T32=3	T32=4
T33m0	91.801	173.647	178.987	193.979	190.959
733=1		96,542		183.979	190,959
T33=2 T33=3			99.109	183,979 99.933	190,959
733e4				49,733	190,959
					•
		T= 4			
		T= 4	T22 0 4 T33		
	T11-0				
T 2 2 = 1	733m0	T33=1	T33=2	T33=3	T33=4
T22=2	112.770	115.949	117.800 120.211	118.506 120.977	118.724
T22=3	117.704	120.664	127.570	123.265	121.176
T 2 2 m 4	121.574	124.185	126.057	126,705	126.846
		1	T12 0		
		T= 4	4 0		
		4	4 133		
	T33=0	T33=1	****	1	7-5-4
T12=0	121.574	124.185	T33=2 126.057	733=3 126.705	T33=4
712=1	136.607	139.040	140.715	141.244	126.846
		1 T= 4	0 0 T22 T23		
		4	4 4		
	703.6	·	,		
**1-0	T23=0	T23=1	T23=2	T 2 3 = 3	T23=4
T22=0 T22=1	100+156	126,846 125,878	133.142	131.142	134.587
T22=2		42.34076	131,142	134,587	134.906
T22=3				134,906	138.746
Y 2 2 = 4					138,959
		1	T12 g		
		T= 4	4 723		
		4	4 4		
	T23=0	T 2 3 = 1	T23=2	T23=3	T23=4
T 1 2=0	126.846	136,444	138.343	138.746	138,959
Y 1 2 = 1	141.364	150.264	153.093	153,571	153.680
		1	T12 T13		
		T= 4	4 4		
		4	4 4		
	T12=0	T12=1	T4 = = 3	w. 3 - 3	* • • • • •
T13=0	138.959	153.680	T12=7	T12=3	T12=4
713=1		164.606			

FXPECTED INCREASE IN ASSETS, 1000°S OF \$ 2 YEARS AND 9 PID OPPORTUNITIES REMAINING

	Z TEAMS AND	A b (()	PPURIUNTILES	KEMNIGIAG	
		2	ن ه		
		T= 4	0 0 T32 T33		
		-	132 133		
	T32=0	T32=1	T37=2	T 3 2 = 3	T32=4
T33=0	92.277	164.606	153.093	153.571	153,680
T33=1		97.625	153.093	-	153.680
133=2		•	101.430		153.680
Y33=3			-	102.748	153.6A0
T33=4					103.059
			_		
		2	0 0		
		T= 4	T22 0		
		4	4 733		
	T33#0	T33e1	T33=2	733=3	733=4
.		•		-	
T22=1	114.129	118.048	120.395	121.137	121,346
T22=2	116.619	120,625	123,098	123,964	124.168
722=3 722=4	119+285	127.954	125,576 178.681	129.640	129.823
122 - 1	1769771	1200201	1.00.001	129.010	12,002
		2	T12 n		
		T= 4	4 0		
		4	4 733		
		•	30		
	T33=0	T = 3 = 1	T33=2	T 3 3 = 3	733=4
T12=0	122.921	126,201	128.681	129.640	129.823
T12=1	137.846	140.581	142.540	143,222	143.352
T12=2	139.314	142.247	144.481	145.370	145.468
			5 -		
		2	0 0		
		T# 4	T22 T23		
		4	4 4		
	T23=0	T23=1	T23#2	723=3	T23=4
T22=0	103.059	129.823	136.117	134.009	137.506
T22=1	1034657	128.774	139,315	137.506	141.177
T22=2			134.009	141.177	137.941
T22=3				137.941	141.796
T22=4				• • •	142.084
		2	T12 0		
		T = 4	4 T23		
		4	4 4		
	793-8	703-1	703-2	723=3	T23=4
	7 2 3 ± D	T23=1	T23*2		
T12=0	129 + 823	139,315	141+177	141,796	142.084
T12=1	143.352	152.740	155.711	156.384	156.464
T12=2	145.468	155.251	158.251	159,050	159.117
		2	T12 T13		
		T= 4	4 4		
		4	4 4		
		7	, ¬		
	712m0	T17=1	T12=2	T 1 2 = 3	712=4
T13=0	142.084	156.464	159.117		
T13=1		167.692	170.410		
T13=2			172.760		

EXPECTED INCREASE IN ASSETS, 1000+S OF \$2 YEARS AND 9 HID OPPORTUNITIES REMAINING

			•	
		_ 3	0 0	
		₹ ■ 4	0 0	
		4	T32 T33	
	732±0	T32#1	T32#2	T32#4
133=D	96.375	167.692	172.760	159,050 159,117
733=1		99.378	172.760	159,050 159,117
T33±2 T33=3			103.909	159.050 159.117
733=4				105.839 159.117 106.219
, • • • •				100471
		3	0 0	
		T= 4	T22 D	
		4	4 733	
	T33=0	T33=1	T33=2	733#3 733#4
122=1	116.720	120.485	123.255	124.169 124.405
T22=2	119,267	123.078	126.027	127.116 127.345
T22=3	121.934	125.415	128.510	129,693 129,932
T22=4	125.473	128,581	131.600	132,835 133,050
		3	T12 0	
		T# 4	4 0	
		4	4 733	
	T33=0	T33=1	T33=2	T33=3 T33=4
T12=0	125,473	128.581	131.600	132.835 133.050
T12-1	140.312	142.840	144.927	145.697 145.858
T12=2	141.767	144,609	146.916	147.831 148.010
T12=3	143.943	146.793	144.265	150.266 150.463
		3	0 0	
		T= 4	T22 T23	
		4	4 4	
	703-0		• • • • •	
VA 1 - A	T23=0	723=1	T25=2	723=3 723=4
T22=0 T22=1	106.219	133,050	139,604 142,695	137,444 141,062 141,062 144,694
T22=2		101,022	137.444	144.694 141.659
122=3			• • • • • • • • • • • • • • • • • • • •	141.659 145.531
T 2 2 = 4				145,958
		3	T12 0	
		T= 4	4 723	
		4	4 4	•
	721-0	703-1		
T:2=0	123m0 133.050	12301	T23=2	12383 12384
112=1	145.858	142,695	144,694 158.360	145,531 145,95A 159,159 159,271
112-2	148.010	157.730	160.937	161.869 161.964
T12=3	150.463	160,218		164,745 164.852
		_	*10 =10	
		3	T12 T13	
		T= 4	4 4	
		•	. 4	
	T12=0	T12=1	T12=2	T12=3 T12=4
T13=0	145,958	159.271		164.852
T13=1		170.184		175.480
T13=2 T13=3			175.369	177.938
3				180.396

EXPECTED INCREASE IN ASSETS, 1000*S OF S 2 YEARS AND 9 MID OPPORTUNITIES REMAINING

	4 0 0	
	T= 4 0 0 4 T32 T33	
T32=0	T12=1 T32=2	732=3 T32=4
T33=0 102+032	170.184 175.369	180.396 164.852
T33=1 T33=2	105.423 175.349	180.396 164.852 180.396 164.852
T33=3		110.668 164.852 111.047
Y33=4		(11104)
	4 0 0 T= 4 T22 0	
	4 4 T33	
T33=0	T33=1 T33=2	T33#3 T33#4
T22=1 122+356	175,999 128.579	129,579 129,819
T22=2 124.746 T22=3 127.319	128.430 131.145	132.356 137.600
122#4 130.866	133,793 136.474	137.758 137.983
	4 T12 G	
	T= 4 4 C 4 4 T33	
***-	***	793#3 733#4
T33m0 T;2m0 130.866	733=1 733=2 133,793 136,474	137.758 137.983
T)2=1 145.104	147.691 149.634	150.424 150.589
112=2 146.541 112=3 148.701	149.431 151.629 151.572 153.948	152.541 157.721 154.946 155.137
112#4 152+867	155.729 158.053	159,103 159,302
	4 G D	
	T= 4 T22 T23 4 4 4	
T23=0	T23=1 T23=2	T23=3 T23=4
T22=0 111+C47	137.983 144.909	142.973 .46.630
122=1 122=2	137.238 147.966	146.630 450.205 150.205 147.270
12243		147.270 151.089
772=4		151+586
	4 T12 0 T= 4 4 T23	
	T= 4 4 T23 4 4 4	
T23=0	T23#1 T23#7	T23=4
T12=0 137+983	147.966 150.205	151.089 151.586
T12=1 150.589 T12=2 152.721	159.780 162.765 162.343 165.363	163.531 163.721 166.325 166.482
T12=3 155+137	144.731 168.007	169.074 169.252 173.184 173.397
112=4 157.307		акаран денрия
	4 T12 T13	
	4 4 4	
Y12=0	T12=1 T12=7	712=3 T12=4
T13=0 151+586	163,721 166,482	169.252 173.397 179.067 187.577
T13=1 T13=2	173,647 176,559 178,987	181,568 185,162
T13=3 T13=4		183,979 187.583 190.959

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND 10 RID OPPORTUNITIES REMAINING

						•
		ı	. 0	0		
		T m 4	0	0		
		4	T32 T	3 3		
	T32=0	T32=1	Τ;	32=2	T37=3	T32=4
T33=0	92.686	175.764		081	186.184	193.586
T33=1 T33=2		97.526		081	186.184	193.586
T33=3			99,	924	186.J84 100.693	193.586
733=4					100,075	100.902
				_		
		T= 4		0		
		4	-	_		
	733=0	T = 1 = 4		-	9-9	"
122=1	113.613	733m1		3=2	T33=3	T33=4
T22=2	115.969	116.724	•		119.112 121.577	119,316
T22=3	118.587	121.48A			123.917	124.090
T22=4	122.502	125.072	126.	820	127.425	127.557
		1	T12	0		
		T= 4	4	0		
		4	4 T3	3		
	733=0	T13=1	Ta	3=2	T33=3	T33=4
T12=0	122.502	175.072	126,		127.425	127.557
T12=1	138.256	140.672	142.		142.665	142.773
		1	C	٨		
		T= 4	T22 T2	0		
		4	_	4		
	723m0	773=1	• •		# a 9 9	4
T22=0	100.902	127.557		3*2	T23*3	T23=4
T22=1	011701	126.439	133.		131.437 134.865	134.865
T22=2		•	131.		138.641	135.143
T22=3 T22=4					135.143	138.991
, , , , , ,						139.175
		1	T 1 2	o		
		T= 4	4 T2	3		
		4	4	4		
	T23±0	T>3=1	T 2	3=2	T23=3	T23=4
112=0	127.557	136,992	138.	641	138.991	139.175
T 1 2 = 1	142.773	151.605	154.	237	154,602	154.685
		1	T12 T1	3		
		Y= 4		4		
		4	4	4		
	T12=0	T12=1	т,	2=7	T12=3	T12=4
T13=0	139.175	154.685			11000	
113=1	- •	086,881				

EXPECTED INCREASE IN ASSETS, 1000°5 OF \$ 2 YEARS AND 10 PID OPPORTUNITIES REMAINING

		2 0 0 T= 4 0 0		
		4 132 133		
	732×0	T32=1 T32=2	132=3	T32=4
****	92.987	144.660 154.237	154.602	154.685
133=0 133=1	9247n/	98.671 154.237	154.602	154,685
T33=2		102.442	154.402	154.685
733=3			103.657	154.685
T33=4				103.944
		2 0 0		
		T= 4 T22 0		
		4 4 733		
		_		
	T33=0	T33=1 T33=2	T33=3	T33=4
Y 2 2 = 1	115.010	118.924 121.205	121.897	122.093
T22=2	117.491	121.485 123.887	124.692	124.806 127.407
Y 2 2 = 3	120.178	173,855 126,360	127.211	130.665
122=4	123.882	127.185 129.610	1304475	130000
		2 T12 0		
		T= 4 4 0		
		4 4 733		
		T. 1	133=3	733=4
	T33=0	T33=1 T33=2	130.495	130.665
T12=0	123.8A2	127,185 129,610 142,112 143,990	144.620	144.736
T12=1 T12=2	139.400 140.847	143.812 145.982	146.766	146.897
112#2	140.047	1731012 1750701	1	•
		2 0 0		
		T# 4 T22 T23		
		4 4 4		
	T 23 m 0	T73#1 T73#2	723=3	T23=4
122=0	103.944	130.665 136.602	134.407	137.884
T22=1	165074	129.368 139.690	137.884	141.581
T22=2		134.407	141,581	139.301
T22#3			138,301	142.172
T 2 2 = 4				142,449
		2 712 0		
		T= 4 4 T23		
		4 4 4		
		•		200-4
	T23#0	T23=2	T23=3	T23=4
T12=0	130+665	139,890 141.581	142.172	147,449
T12=1	144.736	154.077 156.861	157.372	167.434
T12=2	146.897	156,590 159,448	190,020	190.110
		2 T12 T13		
		Tm 4 4 4		
		4 4 4		
	T12=0	T12=1 T12=2	T17=3	T12=4
T13=0	142.449	157.434 160.110		
T13=1	4 1 m # 1 4 f	169.582 177.251		
T13=2		174.656		

EXPECTED INCREASE IN ASSETS, 1000+5 OF S 2 YEARS AND LO RID OPPORTUNITIES REMAINING

	3 0 0	
	T= 4 0 0 4 T32 T33	
732=0	T32=1 T32=2	T32=3 T32=4
733=0 97.276 733=1	169,582 174,456 100,330 174,656	160.058 160.110
T33=2	105.046	140,058 140,110
T33=3 T33=4		106.850 160.110
	3 0 0	
	T= 4 T22 0	
	4 4 733	
• T3340	T33=1 T33=2	T33=3 T33=4
T22=1 117,744 T22=2 120,275	121,510 124,245 124,090 126,996	125,115 125,341
T22=3 122.957	126.446 129.501	130.616 130.845
T22=4 126.545	129,668 132,654	133,816 134,020
	3 T12 O	
	T= 4 4 0 4 4 T33	
T33=0	T33=1 T33=2	T33=3 T33=4
T12=0 126.545	129,668 132,654	133,816 134,020
T12=1 141.9 1 T12=2 143.4 8	144.387 146.440 146.163 148.462	147,168 147,316
T12-3 145.685	148,414 150.854	149,338 149,502 151,818 152,000
	3 0 g	
	T= 4 T22 T23	
***	4 4 4	_
T23=0 T22=0 107+210	773=1 723=2	723=3 723=4
T22=1	134.020 140.261	138.001 141.598 141.598 145.245
122=2 122=3	138.001	145,265 142,160
T22=4		142.160 146.050
	3 T12 0	
	T= 4 4 T23	
	4 4 4	
T23=0 T12=0 134.020	723=1 723=2 143.449 145.265	T23=3 T23=4
T12=1 147.316	143.449 145.265 156.626 159.579	146,050 146,451
112=2 149.502 112=3 152.000	159.197 162.203 161.756 165.045	142,936 143,011
11262 1374000		165.704 165.990
	3 T12 T13	
	** 4 4 4	
T12=0	T17=1 T17=7	T12=3 T12=4
T13=0 146.451	- · · · · · · · · · · · · · · · · · · ·	•
	160.292 163.011	165.790
T13=1 T13=2	160.292 163.011 172.124 174.867 177.295	165.990 177.396 179.892

FXPECTED INCREASE IN ASSETS, 1000*S OF S 2 YEARS AND 10 BID OPPORTUNITIES REMAINING

		4 0 9	
		T= 4 0 0	
		4 T32 T33	
	T 32=0	T12=1 T32=2	
T33=0	103.067	172.124 177.295 106.742 177.295	
T33=1 T33=2		106,742 177,295	
T33=3		• • • • • • • • • • • • • • • • • • • •	111.814 165.940
T33=4			1;2,161
		4 0 0	
		T= 4 T22 0	
		4 4 T33	
	T33=0	T33=1 T33=2	713=3 T33=4
T22=1	123.404	127.047 129.596	
T22=2 T22=3	125•807 124•396	129.478 132.127 131.745 134.485	
T22m4	132.020	134.967 137.606	
		4 712 0	
		T= 4 4 0	
		4 4 733	
	T33=0	T33=1 T33=2	71383 73384
T12=9	112.020	134,967 137,605	
T12=1	144.883	149,395 151.74	
T12=7 T12=3	148.342	151,178 153,303 153,398 155,709	
T12=4	155.014	157.794 160.02	
		4 0 0	
		T= 4 T22 T73	
		4 4 4	
	123=0	T23=1 T23=1	2 T23=3 T23=4
T 2 2 = 0	112.141	139.048 145.75	
122=1		138.179 148.87 143.73	
T27=2 T22=3		143473	147,923 151.741
T22=4			152.176
		4 T12 5	
		Tu 4 4 T23	
		4 4 4	
	T 23=0	T23=1 T23=	2 723=3 723=4
T12=0	139.048	148.874 150.95	
T12=1 T12=2	152.185 154.351	164.431 164.21 164.009 166.85	
T12=3	154.936	166.478 169.60	
T12=4	141.192	170.469 173.86	7 174.817 174.994
		4 712 713	
		T= 4 4 4	
		4 4 4	
	T12=0	112=1 T12=	
T13=0	152-176	165.009 167.77	
7 (3 = 1 7 (3 = 2		175.764 178.60 181.08	
713=3		10110	186.184 189.983
Y13#4			193.586

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND 11 RID OPPORTUNITIES REMAINING

	•			-	•
		1	O O		
		T= 4	C O		
		4	T32 T33		
	T32=0	T32=1	T32=2	732=3	T32=4
T33=0	93,542	177.715	182,985	188.135	195.925
T33=1		98,446	182.985	188,135	195.928
¥33=Z			100.485	188.135	195.928
T33=3 T33=4				101,403	195.928
. 3 5 - 1					1014370
		1	0 0		
			T22 0		
		4	4 733		
	T33=0	T33e1	T33=2	733=3	T33=4
T22=1	114.400	117,448	119.063	119.679	119.869
T22=2	116.755	119,851	121.449	122.138	122.311
T22=3 T22=4	119.412	122.258	123.921	124.527	124.689
122-7	1731304	125.899	127.532	128.078	125.220
		1	T12 9		
		T= 4	4 0		
		4	4 T33		
	T33=0	Y33=1	T33=2	733=3	T33=4
T12=0	123.369	125.899	127,532	128.098	128.220
T12=1	139.825	142.128	143,605	144.024	144.119
		1	0 0		
		_	T22 T23		
		4	4 4		
	T23=0	T23=1	T23=2	723=3	T23=4
T22=0	101.598	128.220	134.018	131.693	135 • 107
T22=1	1314349	126.726	137.468	135.107	138.900
T22=2		V O § . 2, G	131.693	138.900	135.348
T22=3			_	135.346	139.203
T22=4					139.371
		i	T12 0		
		T= 4	4 T23		
		4	4 4		
	T23=0	T23=1	723=2	723=3	723=4
T12=0	128,220	137.468	138,900	139,203	137.371
T12=1	144.119	152.839	155.226	155,505	155.569
		_	710 715		
		1	T12 T13		
		Tm 4	4 4		
		,			
_	T12=0	T12=1	T 1 2= 2	Y ! 2=3	T12=4
T13=0	139.371	155.569			
T13=1		168,481			

EXPECTED INCREASE IN ASSETS, 1000'S OF \$ 2 YEARS AND IT HIS OPPORTUNITIES REMAINING

		2 T= 4	0 n 0 n		
		4 T3	12 733		
	T32=0	T32=1	T32=2	732-3	T32=4
133=0	93.680	148.481	155,226	155.505	155.569
T33=1		99.480	155.226	155.505	155.569
T3302			103.381	155,505 104.500	155.569 155.569
733=3 733=4				104.500	104.766
1,1387					
		2	0 0		
			22 0		
		4	4 T33		
	733=0	T33=1	T33#2	T 3 3 = 3	733=4
72241	115.841	119.762	121.957	122.617	122.807
T22=2	118.333	122.312	124.619	125.389	175.576
T22=3	121.035	124.702	127.134	127.923	128 4 105 131 4 4 4 8
T22=4	124.779	128.191	130.472	131.290	131444
		2 T	12 9		
		Y = 4	4 5		
		4	4 733		
	T33=0	T33=1	T33=7	T33=3	T33#4
T12=0	124.779	128.101	130.472	131.290	131.448
T12=1	140.895	143.586	145.388	145,972	146.079
T12=2	142.328	145.312	147.420	148.152	148.26ª
		•	0 0		
		2 7s 4 7	22 T23		
		4	4 4		
					T23=4
	T23=0	T 2 3 = 1	123=2	T 23 = 3	138.246
T22=0	194.766	131,448	137.022	134.748	141.968
T22#1 T22#2		1474004	134.708	141.948	138.645
T22=3				138.445	147.537
T22=4					142.796
		9 Т	12 0		
		T= 4	4 T23		
		4	4 4		
			2	7-7	T23=4
	T23=0	T23=1	T23=?	723m3	
T12=0	131.448	140.349 155.304	141.968 157.858	142.532 158.246	142.796
T 2 = 1 T 2 = 7	146.079 148.269	157.041	160.496	160.962	141.003
1 (6 4 5	* - 11 \$ 7 \$ 2			- -	
		••	12 713		
		Y= 4	4 4		
		4	4 4		<u>.</u>
	f12=0	T 1 2 1 1	T12=2	T12=3	T17=4
713=0 ·	142.796	158,295	161.003		
T13=1		171.249	173.874		
T13=2			176.323		

EXPECTED INCREASE IN ASSETS, 1000°S OF S 2 YEARS AND 11 BID OPPORTUNITIES REHAINING

		3 0 0 T= 4 0 0 4 T32 T33		
	T32=0	T32=1 T32=2	Y32=3	T32=4
733=0 733=1 733=2	76.100	171,249 176,323 101,256 176,323 104,130	160.942 160.962 160.962 107.815	161.003 161.003 161.003
T33+4			1071013	108.155
		3 0 0 Tm 4 T22 0		
•		4 4 733		
	T33=0	733=1 733=2	733=3 126.011	T33#4
T22=1 T22=2	118.724	122.487 125.183	120,874	129.104
722=3 722=4	123.936 127.572	127.430 130.442 130.707 133.657	131,494	134.944
		3 712 0		
		To 4 4 0 4 4 733		
	T33=0	T33=1 T33=2	733-3	733=4 134.444
712=0 712=1	127.572 143.427	130.707 133.657 145.892 147.900	134,751	148.722
T12=2 T12=3	144.981 147.34!	147,676 149,963	150.798 153.330	153,498
		3 0 0		
		T= 4 T22 T23 4 4 4		
	T23=0	T23=1 T23=2	T23=3	723=4
722=0 722=1	108+155	134.944 140.840 133.481 144.115	138.524 142.102	145.102
T22#2 T22#3		138,524	145.801	142.629
T22=4				146.912
		3 T12 0		
		4 4 4		
••••	T23=0	T23=1 T23=2 144.115 145.801	72343 146.537	723=4 144.912
T12=0 T12=1	134.944	157,984 140.643	161.175	141.254
T12=2 T12=3	150.948 153.498	160.578 163.320 163.220 166.272	163,920 166,968	167.037
		3 712 713		
		7= 4 4 4		
	T12=0	Tī2=1 T12=2	T12=3	T12=4
T13=0 T13=1	146.712	131,254 163,987 173,842 176,532	167.037 174.111	
T:3=2 T:3=3		174.001	181.640	

EXPECTED INCREASE IN ASSETS, 1000*5 OF \$2 YEARS AND 11 BYD OPPORTUNITIES REMAINING

		4 0 0	
		7= 4 0 0	
		4 732 733	
	T32=0	T32=1 T32=2	T32=3 T32=4
T32=0	124.061	173.842 179.nn1	184.243 147.037
T33=1		107.802 179.001	
133=2		110.744	184.243 167.037 112.868 167.037
T33#3			113.188
-			
		4 D O	
		4 4 733	
	7.1.10		733=3 T33=4
7 2 2 - 1	T33m0 124.396	733=1 733=7 128.017 130.497	
T22=1	124.792	128.017 130.497 130.454 133.032	
T 2 2 = 3	129.415	132,761 135,436	136.594 136.812
T 2 2 = 4	133.102	136.063 134.654	139,839 146.030
		4 T12 C	
		T= 4 4 0	
		4 4 733	
	T33=0	T33#1 T33#2	733=3 Y33=4
T 1 2=0	133.102	136.063 138.654	
712=1	148.523	150.978 152.825	
T12=2 T12=3	150.002 152.378	152.796 154.87° 155.090 157.340	
T12=4	156.988	159.695 161.83	
		4 D Ó	
		T= 4 T22 T23	
		4 4 4	
	T23=0	T23#1 T23#2	723=3 723=4
T22=0	113.188	140.030 146.51	
122=1		139.020 149.689	
722×2		144.40	151.411 148.487 148.487 152.307
T22=3 T22=4			157.689
• -			•
		4 T12 D	
		Y= 4 4 723	
	¥93-0	703-1 703-1	723=3 723=4
112=0	723=0 140•030	123=1 T23=1	
11201	153.677	149.689 151.61 162.951 165.50	
T 1 2 = 2	155.878	145.545 168.16	7 168.863 168.972
112=3	158.440	168.107 171.02	
T12=4	162.955	172,485 175,51	1/6+247 1/4430
		4 712 713	
- ·	T12=0	T12=1 T12=1	•
T 1 3 = 0 T 1 3 = 1	152.689	166.196 168.977 177.715 180.499	
713=2		166.281	
113=3		• • • •	188,135 192,130
T13=4			195.928

EXPECTED INCREASE IN ASSETS, 1000'S OF S ANNUAL SUMMARY, 2 YEARS REMAINING

	JAONIN	SOMMARY.	E TEARS ME	DNINIAL	;
		í	οò		
		T= 4	0 0		1
		4	T32 T33		
		•			
_	T32=0	T32=1	T32=2	732=3	732m4
733m0	88.541	164,586	169, 388	173.691	178.727
733=1		92.784	169.388	173,691	178.727
733=2 735=3			95,658	173,691	178.727
733=4				96.710	178.727 96.986
				!	724700
		1	0 0	•	ı
		T= 4	T22 0	•	
		4	4 733		
	T33=0	T33=1	T33=2	T33=3	733=4
T22=1	109.231	112.539	114.644	145.406	115.62R
T22=2	111.590	114.976	117,155	118.059	118.290
122=3	114.020	117,113	119,337	120.173	120.393
T22=4	117.718	120.405	122.543	123,353	123.527
			112 0		
		1	T12 0		;
		T= 4	4 0		
		*	4 733		
	T33=0	T33=1	T33=2	T33=3	T33=4
T12=0	117.718	120.405	122.543	123.353	123.527
T12=1	130.753	133.302	135.799	135.893	136.045
		:			
		- 1	0 0		i
		T# 4	T22 T23		
		4	4 4		
	T23=0	T23+1	T23#7	T73=3	* Y23#4
T22=0	96.986	123.527	130,215	128,618	132.119
T22=1		122,716	133,218	132.119	135.750
T22=2			128.618	135.750	132.634
T22=3				132,634	136.423
T 2 2 = 4					136.791
		1	T12 0		
	•	Т= ц	4 723	•	1
		4	4 4		
	T 2 2 0	7.0.2		1-1	T 2 2 - #
T. 2-0	T23=0	72341	723+2	T73#3	T23=4
T12=0	123.527	133.218	135.750	136,423	136.791
112=1	136.045	144,649	147,499	148,190	148.474
		1	T12 T13		
		T= 4	4 4		
		4	4 4		ŀ
	T12=0	7.2	Y + A = 4	7.2-1	712m4
T13=0		712mj	Y 1 2 = 7	T12=3	11287
	136.791	148.474		1	1
T 3 = 1		155,830			

EXPECTED INCREASE IN ASSETS, 1000°5 OF S ANNUAL SUMMARY, 2 YEARS REMAINING

1	ANNUAL	SUMMARY, 2	YEARS PEME	CINING	
1 1		2	מ מ	•	
	r	7= 4		I	
			32 733		
		, j		2-1	T32=4
	T 3.2=0	T 3 2 = 1	Y32=2	T32=3	148.474
T33=0	A9.250	155.830	147,499	148.190	148.474
T33=1 !		93.910	147.499	148.170	148.474
T33=2		·	97.504	99.098	148.474
T33=3 T33=4;				1	99.477
, 35- , ,	1				•
	1	. 2	0 0 .		
	· · · · · · · · · · · · · · · · · · ·	•	22 0	ı	1
		4	4: T33		,
	T33=0	T33=1	T33#2	733=3	133=4
T22=1	110.473	114.315	116.786	1117.634	117.864
122=2	113.007	116.954	119.589	120.617	120.857
T22=3	115.554	119.148	121.871	172.979	123.230
T22=4	118.944	122,122	124.719	125.878	126,100
	1	, 2 1	12 0		
		Tm 4	4 C.		
1 1	. ;		4 T33		
	·	·			T33=4
!	733=0	733=1	733=2	733=3	-
T12=0	118.944	122.122	124.719	125.878	126.10C
T 1 2 = 1	132.197	134.974	137.07	137.898 139.844	140.035
T 1 2 = 2	133.532	136,541	138.879	1344	
•		2	b o		
	,•	, ₹≐ '4'	722 723	•	
· J		; 4	. 4 4 .	•	
	T 0 2 - 0	T23=1	T23=2	173=3	T 23=4
	T23#0	126.100	133.196	131.319	134.938
122=0	99.477	125.456	135.961	134,938	134.427
727=1 722=2			131.3119	138.427	135.541
T22=3		:		135.541	139.318
T 2 2 = 4		·	:		139.669
	1	•	T12 0		
	•	T= 4	4 Y23		
	!		4 : 4	l	
		•			T 23 = 4
	, T23±0	173#1	Y 2 3 = 2	123=3	
T12=6	126.100	135.961	138.427	139.318	139,669
T 1 2=1	138.DA9	147.302	150.183	151.376	154.020
T12=2	140.035	149.671	152.554	153.832	1.1.1020
I	•	`' 2	T12 T13		
	:	T= 4	4 4		
t		4	4 4		
	7 1 2 = C :	T12#1	T12=2	717=3	T17=4
		151,539	154.020		
113=0	139.669	159.208	161.835	1	
Ti3=1 Ti3=2		# 1 7 # 4 L/O	143.735		

EXPECTED	INCREASE	1 N	ASSETS, 100015	OF	5
ANNUAL	SUMMARY.	2	YEARS REMAININ	G	

	MAHONE	SUMMENT :	A IERRA NEW	w t is t is a	
		3	0 0		
		T= 4	0 0		
		4	T32 T33		
		7	.02 .33		
	T32=0	T32=1	T32=2	T32=3	T32=4
T33=0	92.674	159,208	163.735	153,832	154.020
T33=1		95.834	163,735	153,832	154.020
133#2			99.813	153.A32	154.020
T33=3				101.655	154.020
T33=4					102.335
		_			
		3	0 0		
		T= 4	T22 D		
		4	4 T33		
	733=0	T33=1	T33=2	733#3	T33=4
722-1	112.704	116.377	119.139	120.109	120.348
122=1 122=2	115.358	119.110	122.101	123.315	123.568
722=3	117.950	121.391	124.520	125.846	126,120
722=4	121.214	124.338	127.353	128.707	128.971
			•	.	
		3	T12 G		
		T= 4	4 0		
		4	4 T33		
	T33=0	T33=1	733 = 7	733=3	T33=4
T 1 2 = 0	121.214	124,338	127.353	128.707	128.971
T12=1	134.374	137.117	139.308	140.191	140.382
112=2	135.653	138.716	141.159	142,185	142.397
T12=3	137.513	140.620	143.265	144.380	144,611
		3	0 0		
		Y= 4	T22 T23		
		4	4 4		
		7	7 7		
	123=0	T23=1	T23=2	T23=3	T 23=4
T22=0	102.335	128,971	136.074	134,215	137.943
122=1		128,197	138.831	137.943	141.397
122=2			134.215	141.397	138.750
T22=3				138,750	142.548
T22#4					143.086
		•	T12 0		
		3			
		T= 4 4	4 T23		
		-	7 7		
	123=0	T23=1	T23=7	T23=3	T23=4
112=0	128.971	138,831	141.397	142.548	143.086
712=1	140.382	149.487	152,673	153.937	154.219
112=2	142.397	151.924	154,099	156.514	156.762
112=3	144.611	154.186	157,495	159.011	159,310
		•			
		3			
		T= 4	4 4		
		4	4 4		
	713-0	V + 1 +	T 2=2	T12=3	7 i 2 = 4
	T12+0	712=1			
T13=0	143.086	154,219	156.762	159.310 166.744	
113-1		161.714	164.459	168.771	
113=2			166.410	170.690	
713=3				1,000.0	

EXPECTED INCREASE IN ASSETS, 100015 OF 8 ANNUAL SUMMAPY, 2 YEARS PEMAINING

		7= 4 4	0 C 0 O 132 T33		
•				2-1	736 -4
	32=N •668 :	T32=1 161.714	T32#2 166.410	732=3 170.690	T32m4
T33=1		101.287	166.410	170.690	159.310
Y33=2 T33=3			104.033	170.690	159.310
T33=4				106.160	104.633
		4	U 0		
		T= 4	T22 0		
		4	4 T33		
Τ.	33=0	T33=1	T33=2	T33=3	T33=4
_		21.207	123,764	124.771	125.014
		123.975 126.188	126,760 129.065	128.052 130.432	128.319 130.72A
		29.019	131.776	133.165	133.442
		4	T12 0		
		T = 4	4 0		
		4	4 T33		
7	33-0	T33=1	T33=2	733=3	T33=4
		29.019	131.776	133.165	133,442
		142.574	143,175	144.045	146.284
		44,411	147.021	148.190	148.430
T12=4 144	• 669	147.784	150.366	151.608	151.863
		4	0 0		
		T= 4	T22 T23		
•	23=0	T23=1	T23=7	T23#3	723=4
		133,442	140.700	138,908	142.66R
T22=1		132.831	143.516	142.668	146.117
122=2 122=3			138.908	146.117 143.529	143.529
122=4				. 3	148.032
		4	T12 0		
		T = 4	4 723		
		4	4 4		
T:	23=0	T23=1	T23=2	T23=3	T23=4
		143.516	146.117	147.325	148.032
	•	153.224 155.670	156.213 158.671	157.463	140.47
		157.P45	141.016	162,598	142.979
T12=4 151	.863	161.199	164.259	165.986	166.435
		4	T12 T13		
		7= 4 4	4 4		
•	12=0	T12=1	T12=2	T12=3	T12=4
		157.P49	160.478	162.979	166.435
713=1		164,586	167.416	169.738	172.427
T13=2 T13=3			149.388	171.785 173.691	174.511
T13=4				.,,,,,,,	178.727

APPENDIX B

